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ANNUAL REPORT

OF

THE MINES BRANCH

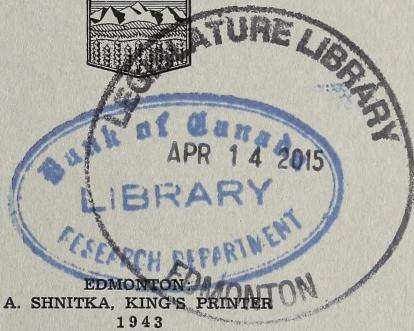
OF THE

Department of Lands and Mines

OF THE

PROVINCE OF ALBERTA

1943

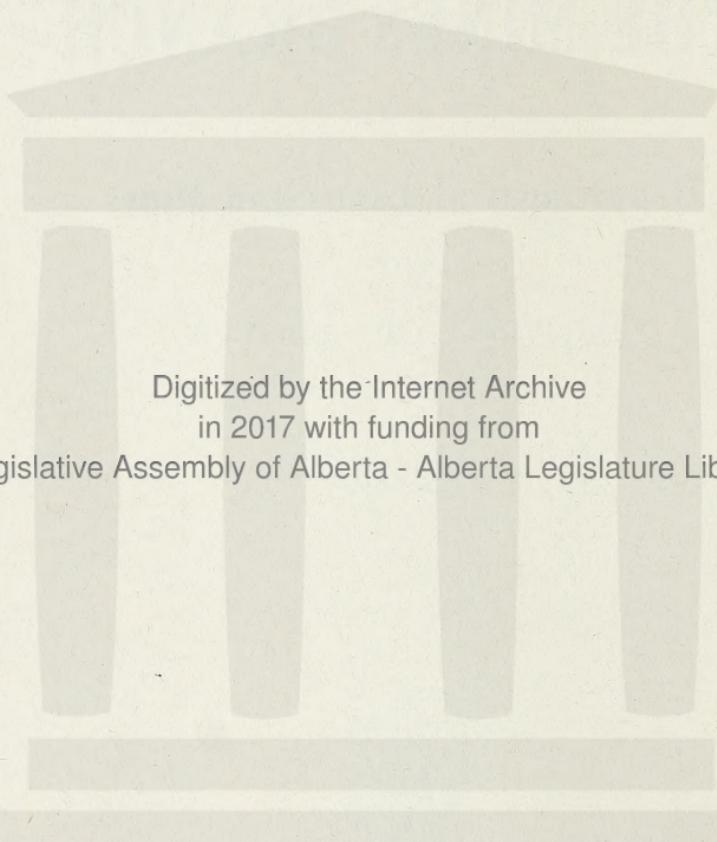


ANNUAL REPORT
OF
THE MINES BRANCH
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1943



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Edmonton, Alberta,
February 26, 1944.

TO THE HON. N. E. TANNER,
Minister of Lands and Mines.

SIR:

I herewith submit the report of The Mines Branch for the year ending December 31, 1943.

Respectfully submitted,

A. A. MILLAR,
Chief Inspector of Mines.

ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31st, 1943

(ANDREW A. MILLAR, *Chief Inspector*)

The output of coal produced from mines in the Province during the year was 7,677,982 tons, with a valuation of \$22,624,410, this being the second highest tonnage produced in the history of the Province.

The disposition of coal during the year was as follows:

	Tons
Sold for consumption in Alberta	1,560,212
Sold for consumption in other Provinces	2,998,379
Sold to the United States	414,627
Sold to railroad companies	2,098,535
Used making briquettes	208,807
Used making coke	101,132
Used under colliery boilers	173,294
Used by colliery railroads	6,444
Put to stock	16,744
Put to waste	134,140

The above tonnages include coal lifted from stock and waste heaps, which is not included in the total output.

During the year, 3 shale pits produced 30,432 tons of shale and clay, from which 11,537,802 bricks and 3,500 tons of hollow tile were made.

There were 206 mines producing coal during the year, of which 27 were opened, 22 re-opened, 17 abandoned, and 27 closed. At December 31st, 1943, 180 mines were in operation.

The number of men employed during the month of December was 8,636, this being 493 less than for the corresponding month of 1942.

During the year, 341 miners were granted certificates, 97 of which were Class A and 244 Class B certificates. Due to the shortage of miners, an Order in Council was passed by the Provincial Government in June authorizing the continuation of the granting of Emergency Coal Miners' Certificates to men with limited mining experience. This Order applies to the bituminous and sub-bituminous mines, as well as the domestic.

To December 31st, 587 of these certificates were issued, and while not altogether satisfactory, they gave considerable help to the mines when same was most needed.

Samples of mine air were taken during the year by the Inspectors and sent to the Chemistry Branch of the Department of Mines, Ottawa, for analysis. This has been done in addition to tests made with the M.S.A. Methane and other gas detectors.

Samples of coal were collected and forwarded to the Industrial Research Council, University of Alberta, for analysis.

All fatal and serious accidents have been investigated by the Inspectors, who also attended the inquests held in their districts, this being in addition to the regular inspection of the mines. All complaints made to the Department were also investigated.

There were 23 prosecutions instituted for contraventions of The Mines Act, made up as follows: 1 operator and overman, 3 overmen, 1 coal bucker, 2 examiners' (three charges), 1 general manager, 1 locomotive driver, 7 miners, 1 hoistman, 3 timber packers, 1 timberman, 1 mine manager.

The protective equipment reported to us as being in use is as follows: 3,485 hard hats, 2,146 pairs of safety shoes, 352 pairs of goggles, 35 pairs of knee caps, 81 respirators.

The purchased electrical power by the mines was 41,491,378 k.w. hours, this being very little less than that used for 1942.

During the year, all the electrical plants and equipment at the mines were inspected, and at the end of 1943 there were 74 mines that were electrified, and in addition, 7 mines have electric mine lamps, signals or telephones.

The following mines were electrified during the year: Red Hot Coal Co., Ltd., Edmonton; Edmonton Collieries, Ltd., Edmonton; Riverdale Coal Co., Ltd., Carbondale; Samis Collieries, Namao; Jasper Coals, Ltd., Drinnan; Sovereign Coal Co., Ltd., Wayne; Camrose Collieries, Ltd., Ohaton; Castor Creek Collieries, Ltd., Castor; Arcadia Coal Mines, Ltd., Willow Creek.

On January 6th, fire destroyed the tipple of the Great West Coal Co., Ltd., mine at Clover Bar. A new tipple has since been erected with the necessary screening arrangements, to handle the entire output.

Of the new installations, the Jasper Coals, Ltd., Drinnan, is most extensive, and the following are the particulars: Above ground—1, 75 K.V.A. 2,300 volt steam driven generator, driven by 120 H.P. McEwan engine, exciter 10 kw.; 3, 15-K.V.A. transformers, 2,300 to 220 volts; 2, 10-K.V.A. transformers, 2,300 to 220-110 volts; 1 pump with 15 H.P. 220 volt motor, magnetic starter; underground—1 blower fan with 2, H.P. 220 volt motor; 1, 15-H.P. 220 volt Sullivan coal cutter.

The following installations have also been made:

Arcadia Coal Mines, Ltd., Willow Creek—Above ground: 2, 50-K.V.A. transformers, 13,200 to 200 volts; 1 hoist with 10 H.P. 220 volt motor; 1 fan with 10 H.P. 220 volt motor; underground: 2 Mavor & Coulson coal cutters, each 50 H.P. 200 volt.

Sovereign Coal Co., Ltd. Wayne—Above ground: 3, 25-K.V.A. transformers, 2,300 to 220 volts; hoist, 40 H.P. 220 volt motor; fan, 5 H.P. 220 volt motor; underground: 1 Sullivan coal cutter, 30 H.P. 220 volt; 1 pump with 5 H.P. 220 volt motor.

Midland Coal Mining Co., Ltd., Drumheller—Above ground: 3, 75-K.V.A. transformers, 2,300 to 460-230 volts; underground: 1 Mancha 6-ton United States Bureau of Mines Approved battery locomotive with Exide batteries; 1 Hertner electric motor generator set, 7.5 K.W. capacity, driving end 15 H.P. 440 volt A.C., equipped with Hertner automatic panel.

Commander Coal Co., Drumheller—Above ground: Hoist with 300 H.P. 2,300 volt motor, Lilly control and full magnetic accelerating panel; aerial hoist with 22 H.P. 220 volt motor, drum control; hoist with 15 H.P. 220 volt motor, drum control; tipple: 1, 20-H.P. 220 volt motor, push button magnetic control; 2, 15-H.P. 220 volt

motors, push button magnetic control; 3, 150-K.V.A. transformers, 13,200 to 2,300 volts; 3, 75-K.V.A. transformers, 13,200 to 2,300 volts; under ground; 1, 50-K.V.A. 2,300 to 220 volt 3-phase Pyranol transformer; 1 motor generator set for charging batteries, 15 H.P. motor 220 volts and a 8.5 Kw. generator with automatic charging panel; 1 Mancha battery locomotive, U.S. Bureau of Mines Approved.

Some strikes of a local nature have taken place during the year, and one general strike occurred on November 1st and lasted until November 8th, although some mines stayed out a few days longer.

The strike was over a demand for an increase in wages, and the questions at issue were dealt with by a Commission sitting under Mr. Justice O'Connor.

I regret to report that the number of fatal accidents for the year was 25, and this compares with 17 in 1942.

Three accidents occurred which caused the death of more than one person. One was an explosion at the Kerralta Mine, Lethbridge, on August 9th, and as a result four men, including the overman and mine electrician, were killed.

Repairs were being carried out on an electric coal-cutting machine, but the electric power appeared to have been off at the machine at the time of the explosion.

The point of origin evidently was at the face of the room where the machine was. The overman and the electrician were found afterwards to have had smoking material and matches on their person.

The explosion occurred on a Monday, and it was found that the mine fan had been standing over the week-end and was only started before the men went on shift. No inspection previous to the men going in the mine had been made.

Explosive gas was found in the mine after the explosion, and it was clearly caused by methane gas.

On July 16th, two men, a fireboss and a miner, were asphyxiated by gas in No. 8 Panel, West Side workings, of the Cadomin Mine, which was given off by a bump. They had gone into a place to get some tools and were caught by the gas before they could get out. A large volume of gas was liberated on this occasion.

On October 18th, two miners were killed in the McGillivray Creek Mine, Coleman, by a fall of rock while engaged extracting pillars. A very large cave occurred, and it was some considerable time before the body of one of the men was recovered.

The problems of the industry have increased during the year, due to shortage of labour and materials.

It is also noticeable that some mines are short of certificated officials, and powers may have to be obtained by the Minister to grant provisionals in order to meet the situation.

The Emergency Miners' Certificates appear to be working satisfactorily, and very little difficulty has been experienced by the Department with them.

During the year, Mr. William Goodwin resigned his position as District Inspector of Mines at Edson, and was succeeded by Mr. Alex. Muir, who was previously manager at the Alexo Mine.

Many changes of the leading officials have also occurred at the various mines during the year.

Many plant changes and additions have also been made at the various mines, some of them at the suggestion of the Emergency Fuel Production Board.

One new operation has been started at Drinnan by the Jasper Coals, Ltd., near the old Jasper Coal Mine location. A slope has been sunk about 400 feet in a seam four feet thick, pitching eight degrees. The roof is a firm sandstone. It is intended to work the seam longwall, using electric machines and face conveyors.

While new mine openings are being made at Cadomin, Luscar and other places, and there is an effort being made by the underground mines to meet the demand for more production by plant additions and in other ways, the lack of experienced miners has restricted their efforts in this direction.

Much has been done to meet the demand for greater coal production by starting up new stripping mines. Considerable tonnages of coal have been stripped and are available, and no doubt more would have been shipped, but in a number of cases the loading ramps or tipples have not been completed, but are in all cases now about ready for operation. Some of the most important of these strip operations are herewith noted:

Camrose Collieries, Ltd., Camrose, located on Section 29-46-19-4. Seam about $4\frac{1}{2}$ feet thick, the average cover being about 20 feet. Camp buildings have been erected, with hot and cold running water throughout, and centrally heated.

A tipple with scales, etc., has been installed, capable of handling 100 tons per hour, and a road has been gravelled from the pit to the tipple. A considerable tonnage of coal has been stripped at this mine.

Near Castor, the Castor Creek Collieries, Ltd., has started a strip pit on Section 3-38-14-4, and the seam averages about $4\frac{1}{2}$ feet in thickness. The cover is variable, but does not appear to average more than 20 feet over a considerable area.

Camp buildings and other plant is being installed, and also a tipple to handle 100 tons per hour. This mine is likely to become a large producer.

In the Tofield area, an increase in the tonnage stripped is being provided by the Dodds Coal Mine, which is now controlled by E. Skarin and associates, of Edmonton.

Near Ardley, Foreman and several other points, stripping operations on a small scale are being carried on, while previously existing strip pits have been making provision for increasing their outputs.

In the Taber area, the Majestic Mines, Ltd., is operating on Section 12-10-17-4, and a considerable tonnage of coal has been stripped and is waiting shipment, the tipple not yet being ready.

The Western Ventures, Ltd., are also operating along similar lines on the Taber seam, which runs from 3 to 4 feet thick.

Edward Oliver has also stripped several thousand tons. The cover ranges from very light to about 30 feet.

At Grassy Lake, a company under the name of the Continental Coal Corporation, Ltd., has been stripping on the property formerly operated by Victor W. Campbell, and also that of A.A.A. Coals, Ltd., close to the Campbell property.

Once loading facilities are available, a substantial tonnage of coal is going to be obtained from the stripping operations in the Taber district.

West of Edmonton, the Pembina Coal Mine has been taken over by Willson and Andrews, and some tonnage has been stripped, but it is their intention to also operate the underground mine. The stripping is on the Evansburg seam.

The Wilma Coal Co. is doing some stripping on the south side of Lake Wabamun, but the location may limit the tonnage produced. The seam is the big Wabamun seam.

In the Drumheller district, considerable additions to the plants and equipment have been made, but the most important is the near completion of the construction programme that has been carried on at the Commander Mine. An up-to-date plant has been installed for the preparation of domestic coal. This mine should, from now on, become a larger producer if labour can be obtained.

At Nordegg, the Brazeau Collieries, Ltd., has installed a new briquetting unit, and in No. 2 seam some air picks have been introduced.

Three underground fires occurred in mines during the year, but all were brought under control without serious dislocation of work at any of them.

ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1942:

Calendar Year	Short Tons	Value
1886	43,220	\$ 81,112
1887	74,152	157,577
1888	115,124	183,354
1889	97,364	179,640
1890	128,753	198,298
1891	174,131	437,243
1892	178,970	460,605
1893	230,070	586,260
1894	184,940	473,827
1895	169,885	382,526
1896	209,162	581,832
1897	242,163	630,408
1898	315,088	787,720
1899	309,600	774,000
1900	311,450	778,625
1901	340,275	850,687
1902	402,819	960,601
1903	495,893	1,117,541
1904	661,732	1,404,524
1905	931,917	1,993,915
1906	1,246,360	2,614,762
1907	1,591,579	3,836,286
1908	1,685,661	4,127,311
1909	1,994,741	4,838,109
1910	2,894,469	7,065,736
1911	1,511,036	3,979,264
1912	3,240,577	8,113,525
1913	4,014,755	10,418,941
1914	3,683,015	9,350,392
1915	3,360,818	8,283,079
1916	4,559,054	11,386,577
1917	4,736,368	14,153,685
1918	5,972,816	20,537,287
1919	4,933,660	18,205,205
1920	6,907,765	30,186,933
1921	5,909,217	27,246,514
1922	5,990,911	24,351,913
1923	6,854,397	28,018,303
1924	5,189,729	18,884,318
1925	5,869,031	20,021,484
1926	6,503,705	20,886,103
1927	6,934,162	21,982,058
1928	7,336,330	23,532,414
1929	7,150,693	22,928,182
1930	5,755,528	18,063,225
1931	4,564,015	13,342,675
1932	4,870,648	13,526,309
1933	4,718,788	12,307,258
1934	4,753,810	12,556,099
1935	5,462,894	14,094,795
1936	5,696,960	14,659,705
1937	5,562,839	14,563,911
1938	5,251,233	13,698,470
1939	5,519,208	14,415,281
1940	6,203,839	16,377,959
1941	6,969,962	19,382,471
1942	7,754,053	22,624,410
Total		188,771,354
.....		\$577,581,244

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. From 1919 to 1942 the mine output figures are given.

ALBERTA CONSUMPTION OF COAL IN CANADA, 1902-1942

The following revised table is taken from the report issued by the Dominion Bureau of Statistics for the year 1942:

Year	Canadian*	Imported coal "Entered for consumption"				Total		Per Capita Tons	
		From U.S.A.		From Great Britain		Total†			
		Short tons	%	Short tons	Short tons	Short tons	%		
1902	5,376,413	4,656,286		101,726	4,734,559	46,9	10,110,972	1,840	
1903	6,005,735	6,520,931		184,583	6,678,450	52,7	12,684,185	2,245	
1904	6,697,183	7,238,869		298,687	7,297,482	52,1	13,994,665	2,402	
1905	7,032,661	49,4	7,233,738	68,500	7,215,446	50,6	14,249,107	2,374	
1906	7,927,560	50,5	7,781,338	67,014	7,758,325	49,5	15,655,885	2,573	
1907	10,549,503	45,325	10,588,697	10,549,503	10,549,503	45,0	19,166,855	2,990	
1908	8,156,478	47,3	10,203,335	97,514	10,195,424	52,7	19,351,902	2,921	
1909	8,913,276	47,9	9,805,253	67,671	9,711,826	52,1	18,625,202	2,739	
1910	10,532,103	50,2	10,545,451	51,511	10,437,123	49,8	20,970,226	3,001	
1911	9,822,749	40,5	14,510,129	48,663	14,424,949	59,5	24,247,698	3,364	
1912	12,385,696	46,0	14,657,124	36,688	14,519,104	54,0	26,934,800	3,645	
1913	13,450,158	42,6	18,145,769	37,825	18,152,387	57,4	31,582,545	4,138	
1914	12,214,403	45,5	14,687,853	33,101	14,637,920	54,5	26,882,323	3,408	
1915	11,500,480	48,1	12,450,736	15,098	12,406,212	51,9	23,906,692	2,995	
1916	12,348,036	41,3	17,576,202	4,401	17,517,820	58,7	28,865,856	3,733	
1917	13,313,603	37,2	20,848,009	9,451	20,810,132	62,8	33,123,735	4,110	
1918	13,160,731	37,8	21,674,826	3,761	21,611,101	62,2	34,771,832	4,268	
1919	11,611,168	40,3	17,292,913	344	17,236,269	59,7	28,847,437	3,471	
1920	14,052,656	42,9	18,752,981	1,591	18,868,741	57,1	32,659,307	3,821	
1921	12,715,734	41,1	18,300,081	765,980	18,258,387	58,9	30,974,121	3,525	
1922	13,044,332	50,2	12,255,555	572,570	12,962,189	49,8	20,006,541	2,916	
1923	15,070,962	41,8	20,417,239	317,112	20,967,971	58,2	36,038,933	4,000	
1924	12,529,358	42,8	16,405,344	604,117	16,714,143	57,2	29,243,501	3,198	
1925	11,125,290	42,6	15,744,397	16,331,971	16,331,971	57,4	24,487,261	3,062	
1926	15,086,296	47,7	16,204,405	287,299	16,565,555	52,3	31,651,851	3,349	
1927	15,944,983	46,7	17,266,434	907,220	18,177,303	53,3	34,122,286	3,541	
1928	16,487,807	50,0	15,830,688	682,755	16,515,582	50,0	33,003,389	3,536	
1929	16,387,461	48,0	16,780,452	843,502	17,724,132	52,0	34,111,593	3,400	
1930	14,052,671	43,3	16,971,933	1,144,861	18,412,039	56,7	32,484,710	3,180	
1931	11,682,779	47,7	11,793,798	9,989,866	12,828,327	52,3	24,511,106	2,362	
1932	11,212,701	49,0	12,838,347	1,727,716	11,654,492	51,0	22,867,193	2,177	
1933	11,456,273	51,5	13,236,406	1,981,116	10,808,962	48,5	22,265,235	2,085	
1934	13,306,303	51,1	10,580,710	1,822,500	12,651,168	48,9	25,887,574	2,392	
1935	14,508,642	53,3	10,801,643	1,498,636	12,719,515	46,9	25,042,138	2,290	
1936	15,172,729	51,5	12,747,574	1,211,032	12,468,585	48,5	27,228,167	2,649	
1937	13,800,094	53,5	10,754,747	1,257,887	12,012,634	47,7	29,441,314	2,618	
1938	14,902,915	50,7	12,838,347	1,099,419	14,479,668	49,3	25,812,728	2,281	
1939	16,666,234	49,5	15,509,778	1,514,458	17,036,090	50,5	29,352,583	2,597	
1940	17,227,151	46,2	19,322,479	693,982	20,026,082	53,8	33,702,324	2,960	
1941	17,225,761	42,4	23,735,334	388,010	24,122,916	57,6	37,253,233	3,259	
1942								41,848,677	

*The sum of Canadian coal-mine sales, colliery consumption, coal supplied to employees, and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehouse for ships' stores.

The following table shows the quantity of coke imported into Canada during the years 1941, 1942 and 1943 through ports in the Provinces, compiled from information from the Dominion Bureau of Statistics:

Ports in Province of	1941 Coke		1942 Coke		1943 Coke	
	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal
Nova Scotia .....	.....	2,011	158,269	111	263,130	72
Quebec	104,698	34,195	.....	45,808	.....	44,991
Ontario	130,613	567,412	154,532	646,799	71,823	857,639
Manitoba	45	10,295	27	24,768	.....	35,668
Saskatchewan .....	.....	477	116	.....	.....	104
British Columbia	496	.....	.....	1,021	.....	2,449
Alberta .....	.....	.....	.....	1,606	.....	143
Total	235,852	614,417	312,917	720,113	334,953	941,066

Figures on Imports of Coke into Canada, by Countries, not available for the duration.

Quantity of coal in tons entered for consumption for each year since 1919, through ports in the Provinces of Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and Yukon.

BITUMINOUS COAL								Total Canada	
Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon
1919	7,641,682	483,991	59,253	1,063,733	9,248,719	62,746	1,406	1,131	6,700
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	43,547	535	607	13,128
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081
1922	7,424,171	445,019	68,028	1,517,250	9,454,522	74,848	1,484	1,147	13,966
1923	11,621,859	619,057	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,607	2,422	1,209	12,619,082
1925	9,100,462	286,984	81,173	497,264	9,884,710	147,758	1,732	1,175	40,286
1926	10,531,095	199,908	83,182	965,105	11,696,108	149,374	1,887	1,515	32,992
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682
1929	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,327	1,856	14,585,275
1930	10,421,748	165,499	70,403	1,297,939	11,945,589	24,893	1,816	1,351	8,886
1931	8,533,736	86,810	65,738	609,279	9,315,563	7,041	1,535	912	10,347,280
1932	6,897,307	62,019	48,915	691,831	7,610,072	12,298	1,459	830	3,582
1933	7,038,386	74,934	30,108	482,206	7,625,634	13,213	1,327	998	26,077
1934	8,472,143	126,671	37,085	602,510	9,238,409	12,103	1,235	1,302	8,427,656
1935	8,032,739	6,033	53,145	591,810	8,683,727	9,918	952	1,136	10,268,945
1936	8,448,795	156,229	67,784	688,950	9,361,758	14,101	847	1,203	3,722(a)
1937	9,946,567	128,535	69,598	820,160	10,964,920	12,079	743	1,293	3,524(d)
1938	7,981,712	113,746	56,806	698,371	8,830,635	9,061	783	1,116	2,540(g)
1939	8,635,174	77,532	53,772	528,887	8,695,365	15,035	862	990	2,701(k)
1940	1,312,806	28,363	30,138	503,782	11,875,089	7,066	692	1,808(n)	9,567,334(l)
1941	13,910,140	.....	.....	.....	14,731,647	10,021	671	2,591	13,578,705(x)
1942	14,397,298	.....	.....	.....	15,954,838	21,568	773	1,646	17,867,068
1943	15,524,762	.....	.....	.....	18,395,760	90,293	732	1,573	20,807,005
								1,611	24,393,798

NOTE: Figures for Port Arthur, Fort Frances and Fort William omitted for duration.

(x) Consists of 13,382,389 tons from the United States and 196,316 tons from Great Britain.

ANTHRACITE COAL

Year	Central Ontario	Port Arthur	Port Frances	Port William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia & Yukon	Total Canada
1919	2,977,913	119,234	559	3,444,148	12,906	.....	.....	66	136	4,972,283
1920	2,943,134	69,206	2,645	226,476	3,221,464	17,509	206	517	75	4,912,964
1921	2,809,189	62,782	138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,586,924	21,507	12	36,018	1,614,461	14,715	231	.....	1,261	2,693,557
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291	.....	174	5,167,881
1924	2,539,568	4,775	237	84,513	2,689,093	34,222	1,720	.....	687	4,183,594
1925	2,203,281	37	176	50,731	2,254,049	34,396	1,702	30	246	3,798,744
1926	2,458,674	.....	56	60,810	2,519,494	17,990	464	.....	5,202	4,242,932
1927	2,179,022	.....	51	79,283	2,202,849	18,885	484	.....	3,812	4,063,619
1928	2,246,063	352	42	57,494	2,236,558	10,130	579	.....	2,241	3,737,333
1929	2,080,457	.....	303	52,369	2,299,087	9,180	365	.....	597	4,019,917
1930	1,615,643	.....	224	45,241	2,125,922	8,323	367	.....	1,123	4,256,090
1931	1,250,755	.....	18,302	1,633,945	3,695	.....	.....	.....	33	3,178,141
1932	1,129,041	.....	3	12,677	1,263,435	3,800	.....	.....	702	3,138,157
1933	1,374,881	.....	8	8,742	1,137,791	5,669	57	75	3,657	3,025,613
1934	1,370,119	.....	3,030	7,934	1,385,845	6,086	.....	.....	282	3,537,309
1935	1,436,613	.....	19	9,455	1,379,593	5,855	49	.....	1,600	3,451,318 (e)
1936	1,608,653	.....	135	16,350	1,453,098	5,884	58	.....	1,151	3,530,040 (f)
1937	1,697,601	.....	8	21,052	1,629,713	66	34	.....	61	3,572,268 (i)
1938	2,043,142	.....	69	16,050	1,713,720	4,674	39	.....	280	3,714,001 (m)
1939	2,033,585	.....	297	18,459	2,061,898	4,696	.....	33	.....	3,977,805 (p)
1940	2,343,406	.....	.....	10,571	2,044,156	4,466	34	.....	236	3,964,862 (q)
1941	2,807,479	.....	.....	.....	2,362,433	10,021	.....	16	30	3,940,859
1942	2,502,024	.....	.....	.....	.....	2,816,165	.....	23	.....	4,802,023
1943	.....	.....	.....	.....	.....	16,336	.....	7	110	4,455,319

*These figures show the total imports and not the tonnages entered for consumption.

- (a) Includes imports into the Yukon Territory of 10 tons in July and 10 tons in October.
- (b) Consists of 9,168,428 tons imported from the United States, 280,645 tons imported from Great Britain, 43 tons imported from Germany, 285 tons imported from Norway, 55 tons imported from Estonia and 1 ton imported from Poland.
- (c) Consists of 1,670,055 tons imported from the United States, 1,454,521 tons imported from Great Britain, 205,045 tons imported from Germany, 67,220 tons imported from Belgium and 54,447 tons imported from French Indo-China.
- (d) Includes imports into the Yukon Territory of 4 tons in April, 3 tons in May, 6 tons in June, 45 tons in July and 2 tons in October.
- (e) Consists of 10,042,127 tons imported from the United States, 149,905 tons imported from Great Britain, 9,421 tons imported from Germany, 361 tons imported from Norway, 124 tons imported from Denmark, 45 tons imported from Sweden, 35 tons imported from the Netherlands, 134 tons imported from Estonia, and 286 tons imported from Newfoundland.
- (f) Consists of 1,685,848 tons imported from the United States, 1,331,279 tons imported from Great Britain, 359,994 tons imported from the Netherlands, and 1,120 tons imported from China.

- (g) Includes imports into the Yukon Territory of 4 tons in March, 6 tons in May, 6 tons in June, 45 tons in July and 2 tons in October.
- (h) Consists of 12,323,378 tons imported from the United States, 56,073 tons from Great Britain, 54,061 tons from Germany, 113 tons from Norway, and 200 tons from Estonia.
- (i) Consists of 2,003,317 tons imported from the United States, 1,134,855 tons imported from Great Britain, 258,257 tons from Germany, 8,131 tons imported from Belgium, 154,495 tons imported from Russia, 78 tons imported from Morocco.
- (k) Includes imports into the Yukon Territory of 8 tons in March, 10 tons in July and 8 tons in October.
- (l) Consists of 9,644,020 tons imported from the United States, 65,957 tons from Great Britain, 34,258 tons from Germany, and 417 tons from Japan.
- (m) Consists of 1,973,610 tons from the United States, 1,199,131 tons from Great Britain, 407,031 tons from Germany, 34,182 tons from Belgium, 14,952 tons from Russia, 19,645 tons from Morocco, 37,594 tons from the Netherlands, and 30,302 tons from French Indo-China.
- (n) Includes imports into the Yukon Territory of 15 tons in July and 8 tons in December.
- (o) Consists of 9,836,110 tons imported from the United States, 67,483 tons from Great Britain, and 20 tons from Norway.
- (p) Consists of 2,605,765 tons from the United States, 1,034,901 tons from Great Britain, 293,602 tons from Germany, and 43,537 tons from French Indo-China.
- (q) Consists of 2,643,588 tons from the United States, and 1,321,274 tons from Great Britain.
- (r) Consists of 2,003,317 tons imported from the United States, 1,134,855 tons imported from Great Britain, 258,257 tons imported from Germany, 8,131 tons imported from Belgium, 154,495 tons imported from Russia, 78 tons imported from Morocco.

Imports of Coal into Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, Yukon and Canada, by months during 1943 (short tons):

BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Port Francis	Fort William	Fort William	Total Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	Total Man., Sask., Alta., B.C. and Yukon	Total Canada
January	373,181	.....	.....	.....	.....	380,126	12,035	.....	43	146	.....	12,181	635,934
February	433,489	.....	.....	.....	.....	443,377	16,779	34	243	268	.....	17,099	637,336
March	543,171	.....	.....	.....	.....	551,948	6,979	42	117	40	.....	7,406	869,669
April	630,529	.....	.....	.....	.....	637,145	3,318	155	75	247	.....	3,588	942,826
May	1,405,709	.....	.....	.....	.....	1,577,570	3,524	.....	92	57	.....	3,863	2,053,894
June	1,818,724	.....	.....	.....	.....	2,163,288	6,191	.....	81	221	90	6,329	2,746,343
July	1,713,588	.....	.....	.....	.....	2,001,188	5,099	85	175	95	32	5,495	2,704,586
August	1,976,625	.....	.....	.....	.....	2,498,152	9,651	158	48	141	.....	9,953	3,312,538
September	2,015,725	.....	.....	.....	.....	2,405,021	9,735	.....	43	98	58	10,082	3,162,879
October	1,985,671	.....	.....	.....	.....	2,369,843	8,614	.....	48	241	.....	8,813	3,106,577
November	1,526,016	.....	.....	.....	.....	2,024,302	6,739	40	132	241	.....	6,807	2,539,588
December	1,102,274	.....	.....	.....	.....	1,313,750	1,609	.....	.....	.....	.....	2,022	1,685,628
Total	15,524,762	.....	.....	.....	.....	18,365,760	90,293	732	1,002	1,611	.....	93,638	24,393,798

ANTHRACITE COAL

Month	140,338	.....	.....	.....	.....	141,063	4,307	.....	3	.....	.....	4,310	220,911
January	154,818	.....	.....	.....	.....	154,944	2,785	.....	.....	.....	.....	2,785	266,465
February	234,783	.....	.....	.....	.....	234,783	1,922	.....	.....	.....	.....	1,922	415,505
March	235,836	.....	.....	.....	.....	235,876	1,036	.....	53	.....	.....	1,089	389,647
April	221,922	.....	.....	.....	.....	221,922	571	.....	2	.....	.....	571	395,070
May	203,600	.....	.....	.....	.....	203,613	491	.....	.....	.....	.....	493	372,060
June	176,139	.....	.....	.....	.....	176,139	181	.....	.....	.....	.....	181	358,453
July	255,966	.....	.....	.....	.....	260,994	225	.....	.....	.....	.....	225	489,180
August	235,309	.....	.....	.....	.....	235,139	2,150	.....	.....	.....	.....	2,150	456,948
September	251,139	.....	.....	.....	.....	251,139	1,126	.....	2	.....	.....	1,128	415,275
October	153,601	.....	.....	.....	.....	153,601	1,100	.....	57	.....	.....	1,157	295,608
November	238,573	.....	.....	.....	.....	243,786	442	.....	.....	.....	.....	442	383,397
Total	2,502,024	2,513,199	16,336	7	110	16,453	4,458,519

NOTE.—Figures for Fort Francis, Fort William and Port Arthur not available for the duration.

LIGNITE COAL

TOTAL IMPORTATIONS

NOTE.—Figures for Port Arthur, Fort Frances and Fort William not available for the duration.

THE MINES BRANCH

MINERAL PRODUCTION OF ALBERTA, 1941 AND 1942

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada

	1941		1942	
	Quantity	Value	Quantity	Value
METALLICS:				
Gold, fine ounces	215	\$ 8,277	34	\$ 1,309
Silver, fine ounces	21	8	2	1
NON-METALLICS:				
Coal, short tons	6,969,962	19,382,471	7,754,053	22,624,410
Natural gas, M.cu.ft.	30,905,440	5,175,364	34,482,585	6,146,146
Peat moss, tons	421	5,005	58	1,380
Petroleum, barrels	9,918,577	13,985,906	10,117,073	15,514,665
Salt, tons	16,617	260,995	22,360	335,960
Sodium, sulphate, tons	8	32	.....	.....
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS:				
Cement, barrels	492,515	985,030	668,043	1,307,353
Clay products .....	.....	952,144	.....	1,013,497
Lime:				
Quicklime	17,276	144,556	18,117	148,720
Hydrated, tons	674	6,740	704	7,040
Sand and gravel, tons	956,484	433,504	481,644	218,914
Stone, tons	7,942	24,303	12,028	40,436
Total .....	.....	\$41,464,385	.....	\$47,359,831

Particulars with reference to the coal-mining industry in the Province of Alberta during the year ending December 31, 1943:

SUMMARY OF STATISTICS

Tonnage stripped by farmers under domestic permits	263
Number of short tons of coal produced	7,677,982
Number of short tons of briquettes made	222,106
Number of short tons of coke produced	67,348
Number of short tons of shale produced	33,932
Number of coal mines in operation during the year	206
Number of mines opened during the year	27
Number of mines re-opened during the year	22
Number of mines closed during the year	27
Number of mines abandoned during the year	17
Number of shale pits in operation during the year	3
Number of mines in operation at Dec. 1st, 1943	180
63 mines or 30.58% of total operating produced 1.93% of the output.	
58 mines or 28.16% of total operating produced .33% of the output.	
29 mines or 14.08% of total operating produced 8.66% of the output.	
21 mines or 10.19% of total operating produced 1.93% of the output.	
11 mines or 5.34% of total operating produced 9.76% of the output.	
5 mines or 2.43% of total operating produced 8.35% of the output.	
5 mines or 2.43% of total operating produced 11.67% of the output.	
8 mines or 3.88% of total operating produced 26.41% of the output.	
6 mines or 2.91% of total operating produced 30.96% of the output.	
Average number of persons employed below ground	6,197
Average number of persons employed above ground	2,439
Number of separate accidents causing loss of life	21
Number of deaths caused by accidents above ground	2
Number of deaths caused by accidents below ground	23
Number of serious accidents above ground	11
Number of serious accidents below ground	62
Number of slight accidents above ground	24
Number of slight accidents below ground	128
Total purchased electrical power (kilowatt hours)	41,431,695
Number of prosecutions instituted	23
Number of Provisional Overman's Certificates issued in 1943	104
Number of Certificates of Competency as Coal Miners in 1943	341
Number of Third Class Certificates issued in 1943	16
Number of Second Class Certificates issued in 1943	7
Number of First Class Certificates issued in 1943	3
Number of Mine Surveyors' Certificates issued in 1943	2
Number of Mine Electricians' Certificates issued in 1943	3
Total number of Third Class Certificates issued to Dec. 31, 1943	1,552
Total number of Second Class Certificates issued to Dec. 31, 1943	518
Total number of First Class Certificates issued to Dec. 31, 1943	266
Total number of Mine Surveyors' Certificates issued to Dec. 31, 1943	199
Total number of Mine Electricians' Certificates issued to Dec. 31, 1943	118
Total number of Interchange First Class Certificates to Dec. 31, 1943	5
Total number of Certificates of Competency as Coal Miners issued to Dec. 31, 1943	17,307

In the following tables the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons for Alberta
1901	346,649	
1902	510,674	
1903	622,939	
1904	782,931	
1905		811,228
1906		1,385,000
1907		1,834,745
1908		1,845,000
1909		2,174,329
1910		3,036,757
1911		1,694,564
1912		3,446,349
1913		4,306,346
1914		3,821,739
1915		3,434,891
1916		4,638,604
1917		4,863,414
1918		6,148,620
1919		5,022,412
1920		6,908,923
1921		5,937,195
1922		5,976,432
1923		6,866,923
1924		5,203,713
1925		5,883,394
1926		6,508,908
1927		6,936,780
1928		7,334,179
1929		7,147,250
1930		5,755,911
1931		4,564,290
1932		4,870,030
1933		4,714,784
1934		4,748,848
1935		5,462,973
1936		5,696,375
1937		5,551,682
1938		5,230,025
1939		5,518,105
1940		6,205,088
1941		6,970,064
1942		7,754,279
1943		7,677,982

PARTICULARS OF WORK DONE IN SHALE MINES IN THE PROVINCE DURING 1943:

Output of shale (in tons) used making bricks	30,432
Output of shale (in tons) making hollow tile	3,500
Number of shifts worked	17,073
Average number of men employed	61
Explosives used (pounds), 40% dynamite	30,791
Explosives used (pounds), monobel	950
Number shots fired using fuse	14,348
Number of shots fired using electric detonators	1,950
Total number of bricks made	11,360,977
Total number of bricks put to stock	67,503
Total number of bricks lifted from stock	245,228
Bricks sold for use in:	
Alberta	5,548,465
British Columbia	1,584,301
Saskatchewan	2,371,621
Manitoba	1,905,461
Ontario	127,954
Total	11,537,802
Hollow tile made (tons)	3,500
Hollow tile put to stock	
Hollow tile sold	4,567
Hollow tile lifted from stock	1,067

PARTICULARS OF WORK DONE BY FARMERS STRIPPING COAL UNDER DOMESTIC PERMIT

Tonnage	263
No. of days worked during the year	99
Number of men employed during the year	44
Total number of shifts worked	129
Total number of permits issued	31
Total number of permits used	18

The above coal was stripped for domestic use only, and not for sale.

THE MINES BRANCH

CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1942 (INCLUSIVE)

Year	Domestic	Domestic and Bituminous	Sub-bituminous	Bituminous	Anthracite	Coal used in Coke production	Briquettes	Coke
1901*	331,907	331,907	.....	.....	14,742	.....	.....	.....
1902*	494,087	494,087	.....	.....	16,587	.....	.....	.....
1903*	617,754	617,754	.....	.....	5,185	.....	.....	.....
1904*	759,568	759,568	.....	.....	23,363	.....	.....	.....
1905*	972,666	972,666	.....	.....	43,653	71,292	.....	46,640
1906	602,780	602,780	.....	.....	436,623	235,597	103,930	69,844
1907	639,335	639,335	.....	.....	939,295	256,115	112,887	73,782
1908	584,334	584,334	.....	.....	1,001,571	249,095	128,397	75,657
1909	763,673	763,673	.....	.....	1,197,399	213,257	148,104	87,812
1910	878,011	878,011	.....	.....	1,849,961	261,785	108,996	121,578
1911	964,700	964,700	.....	.....	649,745	80,119	61,591	48,200
1912	1,341,389	1,341,389	.....	.....	1,926,271	178,589	170,818	105,684
1913	1,763,225	1,763,225	.....	.....	2,374,401	168,720	104,012	65,167
1914	1,697,401	1,697,401	.....	.....	1,963,367	170,971	44,249	29,058
1915	1,682,922	1,682,922	.....	.....	1,626,237	125,732	83,180	23,826
1916	2,172,801	2,172,801	.....	.....	2,335,259	140,544	67,105	41,950
1917	2,537,829	2,537,829	.....	.....	2,206,868	118,717	51,905	31,630
1918	3,035,061	3,035,061	.....	.....	2,962,334	131,225	53,462	32,858
1919	3,611,009	3,611,009	.....	.....	2,325,787	85,616	100,470	70,033
1920	3,339,309	3,339,309	.....	.....	3,419,021	130,594	101,693	62,466
1921	2,943,141	2,943,141	.....	.....	2,897,380	96,674	33,663	28,167
1922	3,086,669	3,086,669	.....	.....	2,214,273	40,417	39,638	24,111
1923	3,161,741	3,161,741	.....	.....	459,869	3,245,313	107	15,102
1924	3,096,660	3,096,660	.....	.....	585,765	1,521,288	.....	4,591
1925	3,156,359	3,156,359	.....	.....	581,835	2,145,200	.....	11,381
1926	3,160,029	3,160,029	.....	.....	490,371	2,858,808	.....	287
1927	3,357,171	3,357,171	.....	.....	595,190	2,984,119	.....	20,649
1928	3,378,200	3,378,200	.....	.....	740,498	3,215,481	.....	24,768
1929	3,335,749	3,335,749	.....	.....	668,108	3,093,393	.....	24,111
1930	2,874,090	2,874,090	.....	.....	603,331	2,275,490	.....	15,102
1931	2,246,544	2,246,544	.....	.....	471,389	1,846,557	.....	2,133
1932	2,576,831	2,576,831	.....	.....	559,479	1,733,720	.....	13,582
1933	2,444,047	2,444,047	.....	.....	554,141	1,726,596	.....	49,279
1934	2,295,566	2,295,566	.....	.....	537,542	1,915,740	.....	59,703
1935	2,647,912	2,647,912	.....	.....	566,436	2,248,625	.....	63,428
1936	2,841,231	2,841,231	.....	.....	566,486	2,299,658	.....	65,239
1937	2,631,150	2,631,150	.....	.....	506,529	2,414,003	.....	65,967
1938	2,433,263	2,433,263	.....	.....	488,912	2,287,750	103,498	39,239
1939	2,449,190	2,449,190	.....	.....	512,105	2,556,801	103,191	46,510

1940	2,537,205	.....	598,686	3,069,197	.....	105,926	66,127	70,753
1941	2,713,254	.....	585,453	3,671,357	.....	105,390	126,188	70,354
1942	3,213,113	.....	733,547	3,807,619	.....	107,410	197,905	71,572
1943	3,416,037	.....	791,952	3,469,993	.....	101,132	222,106	67,348

*Includes output from Alberta and Saskatchewan. Previous to 1922 sub-bituminous was included in bituminous coal.

During the year 1909 a strike affecting all the larger mines in the Province, lasted for a period of three months.
 During the year 1911 a strike affecting all the larger mines in the Province, lasted for a period of eight months.
 During the year 1917 a strike affecting all the larger mines in the Province, lasted for a period of three months.
 During the year 1919 a strike affecting all the larger mines in the Province, lasted for a period of three months.
 During the year 1922 a strike affecting all the larger mines in the Province, lasted for a period of five months.
 During the year 1924 a strike affecting all the larger mines in the Province, lasted for a period of six and one-half months.

Total output of COAL, COKE and BRICKETTES disposed of during 1943:

Total output of COAL, COKE and BRICKETTES disposed of during 1942:

How total output of DOMESTIC COAL from the Province was disposed of by Areas during 1943:

How the total output of SUB-BITUMINOUS COAL was disposed of during 1942:

BITUMINOUS COAL									
		Sold for Consumption in:		Total Sales		Put to Stock		Put to Waste	
		Alberta	British Columbia	Manitoba	Saskat-	Alberta	British Columbia	Manitoba	Saskat-
		United States	United States	United States	United States	United States	United States	United States	United States
		Colliery R.R.	Colliery R.R.	Colliery R.R.	Colliery R.R.	Colliery R.R.	Colliery R.R.	Colliery R.R.	Colliery R.R.
Alberta	36,371	263,546	16,662	52,795	.....	265,713	635,287	42,708	5,250
Pekisko	10,944	200	.....	.....	.....	11,144	658	.....	.....
Pincher	336	.....	.....	.....	.....	336	.....	.....	.....
Prairie Creek	738	605	.....	.....	.....	1,313	305	.....	.....
Saunders	10,861	4,779	21,621	19,949	.....	57,210	7,579	.....	.....
Total	59,450	268,930	38,483	72,744	.....	265,713	705,320	51,250	5,250
Total Output									
Lifted from Stock									
Used making Briguettes	.....	.....	.....	.....	.....	.....	.....	9	115
Used making Coke	.....	.....	.....	.....	.....	.....	.....	180	101
Put to Stock	.....	.....	.....	.....	.....	.....	.....	101	101
Put to Waste	.....	.....	.....	.....	.....	.....	.....	200	200
Total Output	713,082	11,802	4,451	1,828	64,789	2,828	200	200	200

How the total output of COAL from the Province was disposed of by months during 1943:

Months	Sold for Consumption in:					Used by Colliery Boilers	Used Bridgettes	Used Markings	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output		
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario										
January	183,055	69,225	145,394	63,062	167	15,046	145,887	621,836	16,420	599	14,911	7,881	669,623		
February	165,883	80,146	153,812	68,380	43	21,450	161,177	651,491	15,072	570	16,755	8,030	698,057		
March	150,766	86,746	148,203	66,480	.....	7,477	31,103	206,428	697,213	17,236	583	18,406	9,132	755,037
April	76,807	72,509	75,742	43,412	43	4,058	34,981	210,073	517,625	13,606	525	18,292	8,744	618	
May	78,013	70,246	91,440	44,938	725	4,624	30,811	200,189	520,986	13,319	512	17,822	8,843	566,335	
June	93,105	77,300	105,744	41,559	.....	6,193	43,208	196,731	563,840	12,828	516	18,218	8,680	569,186
July	103,001	71,590	98,859	47,659	132	4,549	43,876	189,622	559,147	12,327	517	17,880	9,216	614,859	
August	119,294	76,643	122,882	55,849	.....	6,183	40,714	166,753	588,450	12,804	545	5,908	8,990	609,547
September	122,066	80,162	121,173	52,137	.....	14,146	33,841	183,357	606,862	13,676	511	30,285	8,672	627,567
October	147,262	71,571	126,966	52,497	42	2,068	41,888	164,114	606,408	14,483	532	19,650	8,844	672,401	
November	144,673	45,636	108,391	38,479	.....	29,042	105,529	471,750	14,462	509	13,264	5,371	1,451	663,061
December	176,287	63,136	157,006	52,266	38	48,717	168,695	666,145	17,061	525	17,416	8,729	1,451	510,174
Total	1,560,212	864,911	1,455,612	627,368	1,190	49,298	414,627	2,098,535	7,071,753	173,294	6,444	208,807	101,132	16,744,134,140	28,709
% of Total Sales	22.06	12.23	20.58	8.8702	.70	5.86	29.68	5,623	7,677,982

How the total output of DOMESTIC COAL was disposed of by months during 1943:

Months	Sold for Consumption in						Used under Colliery Boilers Used by R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total Output
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	United States						
January	164,632	17,671	132,880	36,776	167	2,270	354,396	2,995	85	170	1,807	2,502
February	146,101	18,491	139,239	40,884	43	1,953	346,621	2,718	60	164	1,838	3,073
March	129,291	27,544	136,137	44,165	...	...	339,602	2,911	65	210	2,446	404
April	65,328	23,000	65,643	25,371	43	2,465	202,22	181,407	1,937	21	1,111	893
May	64,920	24,786	81,275	28,327	725	978	201,011	1,911	20	70	1,005	1,209
June	83,153	31,381	93,690	26,025	...	1,468	235,717	1,736	15	876	1,955	2,011
July	93,642	27,166	85,027	26,275	...	1,883	233,993	1,780	20	90	1,754	757
August	108,170	26,536	108,535	29,383	132	1,793	274,549	1,903	35	45	2,121	252
September	110,661	25,025	106,741	27,470	...	1,688	271,535	1,753	33	80	2,307	98
October	135,080	20,754	115,208	28,886	42	2,247	302,217	2,116	40	160	2,499	856
November	131,042	17,938	98,690	24,819	...	2,003	274,492	2,191	45	195	2,439	1,719
December	159,535	21,671	148,284	33,901	38	3,281	366,710	2,987	33	215	2,226	344
Total	1,391,555	281,883	1,311,349	372,282	1,190	24,051	3,382,310	26,938	472	2,350	23,508	14,118
% of Total Sales	41.14	8.33	38.77	11.01	.04	.71						

How the total output of SUB-BITUMINOUS COAL was disposed of by months during 1943:

How the total output of BITUMINOUS COAL was disposed of by months during 1943:

Amount of COAL sold during the years 1915 to 1943 (inclusive) for consumption in:

Year	Alberta	British Columbia	Saskat-chewan	Manitoba	Ontario	North-West Territories	Quebec	United States	To Railroads	Total
1915	2,129,130	54,860	695,898	64,816	.....	.....	.....	25,047	2,969,751	.....
1916	2,866,670	86,413	1,007,765	97,265	.....	.....	.....	61,092	4,119,205	.....
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	.....	93,081	4,372,534	.....
1918	3,440,154	101,189	1,372,439	511,168	629	.....	.....	133,276	5,358,855	.....
1919	95,110	95,461	1,115,329	314,290	308	.....	.....	121,212	4,637,710	.....
1920	1,647,202	128,850	1,310,146	600,962	13,911	.....	.....	152,610	2,516,555	6,371,266
1921	1,415,861	116,089	1,294,441	495,388	9,898	.....	.....	133,823	2,023,204	5,388,704
1922	1,443,942	107,920	1,371,249	520,518	21,573	.....	.....	105,514	5,647,109	.....
1923	1,382,788	108,326	1,223,454	533,649	52,334	.....	.....	83,557	3,110,121	6,514,294
1924	1,431,327	114,186	1,189,788	510,407	16,525	.....	.....	39,142	4,919,949	.....
1925	1,440,032	117,037	1,297,653	509,655	28,831	.....	.....	40,507	5,573,431	.....
1926	1,325,290	127,858	1,296,181	591,267	74,559	.....	.....	221	48,216	2,706,440
1927	1,508,039	187,028	1,427,904	612,542	22,680	.....	.....	45,160	2,753,765	6,653,168
1928	1,409,475	262,198	1,511,141	605,125	44,265	.....	.....	52,265	3,054,239	.....
1929	1,446,555	236,840	1,455,213	588,647	55,647	.....	.....	51,625	2,923,827	6,758,075
1930	1,234,382	227,385	1,221,542	514,537	29,784	.....	.....	32	44,291	2,120,237
1931	1,020,694	171,610	905,574	442,761	27,036	.....	.....	100	1,668,451	4,266,660
1932	1,134,311	136,188	1,097,382	407,006	20,583	.....	.....	135	27,336	4,532,892
1933	1,123,357	120,911	1,052,910	449,681	39,437	.....	.....	32	18,449	4,304,838
1934	1,087,898	127,638	986,639	391,132	55,947	.....	.....	31	13,739	4,350,874
1935	1,246,959	221,758	1,120,816	455,813	64,659	.....	.....	.....	24,712	1,687,850
1936	1,356,630	244,928	1,238,730	450,740	65,886	.....	.....	.....	1,960,555	5,075,272
1937	1,326,054	269,023	1,085,812	437,954	62,521	.....	.....	82	27,397	1,969,569
1938	1,278,932	228,435	1,011,207	413,663	74,111	.....	.....	83	41,328	5,353,940
1939	1,241,618	239,227	1,044,367	409,046	90,206	.....	.....	.....	32,507	5,251,163
1940	1,311,644	237,642	1,019,035	354,857	133,587	.....	.....	14	1,871,852	4,920,800
1941	1,335,606	304,928	1,052,913	430,663	234,606	.....	.....	.....	33,139	5,167,287
1942	1,474,705	652,222	1,269,669	580,336	231,258	.....	.....	.....	35,354	5,812,926
1943	1,560,212	864,911	1,455,612	627,368	1,190	.....	.....	.....	98,197	6,481,748
								414,627	2,098,535	7,711,063
										7,071,753

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

NOTE: Included in the above total are 49,298 tons for Ship's Bunkers in 1943.

THE MINES BRANCH

Coal produced by years from 1939 to 1943 inclusive.

DOMESTIC COAL FIELD

Area	1939	1940	1941	1942	1943
Ardley	15,682	17,723	10,916	5,938	10,239
Big Valley	2,441	2,594	4,006	4,708	12,836
Brooks	10,980	11,326	11,446	14,097	30,381
Camrose	54,693	59,646	54,786	47,627	63,834
Carbon	80,033	70,851	57,207	63,750	68,391
Castor	38,109	42,416	43,006	42,482	59,764
Champion	15,273	14,983	13,203	12,369	11,776
Drumheller	1,223,338	1,287,935	1,458,455	1,785,021	1,838,738
Edmonton	470,576	483,924	477,637	514,479	457,002
Gleichen	26,091	23,221	25,642	21,979	21,369
Halcourt	3,003	3,163	3,595	2,403	1,873
High Prairie					191
Lethbridge	329,416	327,817	339,579	470,065	579,234
Magrath	431	305	21		
Milk River	5,961	5,156	3,848	1,368	2,634
Pakan	202	95			
Pakowki	1,438	1,328	635	469	419
Pembina	38,891	50,420	66,746	58,980	53,611
Redcliff	26,094	30,418	25,837	24,696	28,165
Rochester	974	1,965	1,980	3,289	7,287
Sexsmith	95	234	88		
Sheerness	36,709	30,606	39,205	50,490	58,933
Taber	12,731	13,324	14,852	13,191	20,596
Tofield	48,504	51,208	56,485	73,368	85,313
Westlock			1,314		
Wetaskiwin	3,224	3,831	2,546	1,783	3,272
Whitecourt	215	317	219	288	179
No Area	4,095	2,399			
Total	2,449,199	2,537,205	2,713,254	3,213,113	3,416,037

SUB-BITUMINOUS COAL FIELD

	1939	1940	1941	1942	1943
Coalspur	360,436	448,619	509,933	658,061	713,082
Morley	107	73			
Pekisko	5,385	5,673	6,977	10,786	11,802
Pincher	1,374	606	823	606	451
Prairie Creek	104,067	100,753	16,988		1,828
Saunders	40,736	42,962	50,732	64,094	64,789
Total	512,105	598,686	585,453	733,547	791,952

BITUMINOUS COAL FIELD

	1939	1940	1941	1942	1943
Cascade	194,441	206,732	322,202	337,659	343,476
Crowsnest	1,400,802	1,616,467	2,021,155	2,170,222	1,962,557
Highwood	10	305	700	271	
Mountain Park	810,442	1,011,252	985,751	932,403	843,411
Nordegg	151,106	23,441	341,549	367,064	320,549
Total	2,556,801	3,069,197	3,671,357	3,807,619	3,469,993

Total output of DOMESTIC COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	1,312	615	465	31	156	367	588	1,000	1,987	2,520	1,198	10,239	
Big Valley	209	136	3,109	666	470	1,085	858	941	1,255	2,546	1,386	12,836	
Brooks	1,633	1,048	5,721	199	343	526	590	693	1,242	5,049	9,086	9,251	30,381
Camrose	7,209	6,117	5,872	2,059	2,421	2,660	3,653	4,689	4,009	5,263	8,196	11,677	63,834
Carbone	7,791	7,570	6,832	3,544	3,200	3,956	3,626	4,073	3,133	7,826	8,536	8,304	68,391
Castor	8,756	7,058	5,031	846	745	546	608	5,638	5,612	8,633	9,683	9,764	
Champion	1,499	1,036	998	501	843	1,039	1,139	1,259	1,144	1,167	865	11,776	
Drumheller	179,044	183,804	190,883	95,123	125,301	143,596	128,228	162,234	159,273	165,182	132,422	173,648	1,838,738
Edmonton	57,482	55,098	52,955	27,151	21,462	27,689	31,297	34,276	39,153	28,255	52,043	457,002	21,369
Gleichen	3,600	3,169	2,207	424	621	1,039	1,285	1,592	1,474	1,636	2,279	1,873	
Halcourt	211	225	391	16	39	35,511	42,445	48,224	48,705	47,18	319	607	
Lethbridge	56,805	54,498	56,111	39,241	30	23	38	156	146	628	641	56,670	579,234
Milk River	106	38	49	101	2	38	36	12	47	63	81	267	2,634
Pakowski	5,294	5,291	5,309	3,495	2,750	4,393	3,919	3,979	4,012	4,541	2,965	39	419
Pembina	3,116	2,811	3,251	1,452	1,202	1,563	1,903	2,454	2,623	2,800	2,754	7,663	53,611
Redcliff	1,526	1,170	2,297	60	9	14	8	17	57	248	2,336	2,236	28,165
Rochester	6,360	5,662	3,642	2,402	2,512	2,840	2,950	4,828	5,812	6,948	7,538	7,287	
Sheerness	1,233	1,117	858	401	399	1,170	957	1,249	3,411	8,366	6,611	58,932	
Taber	13,049	11,063	5,401	5,362	3,165	2,779	4,440	3,202	3,834	3,571	10,960	18,547	20,596
Tofield	620	645	347	40	.....	.....	.....	100	310	.....	820	330	3,272
Wetaskiwin	51	97	.....	.....	.....	.....	.....	.....	.....	.....	21	10	179
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	191	191	
High Prairie .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	356,726	348,208	344,830	183,010	200,635	237,385	236,204	278,223	275,287	306,176	277,541	371,812	3,416,037

Total output of SUB-BITUMINOUS COAL by areas during each month:

Coalspur	53,990	58,988	65,713	56,211	58,346	59,109	53,685	60,787	63,408	63,300	50,703	68,842	713,082
Pekisko	1,195	1,172	1,139	484	630	1,113	1,159	1,066	1,082	941	1,238	583	11,802
Pincher Creek	83	56	47	6	15	25	10	.....	.....	124	415	604	451
Prairie Creek	6,943	7,236	7,693	4,997	4,900	2,201	4,546	5,740	5,045	5,674	4,302	5,506	1,828
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64,789
Total	62,211	67,452	74,598	61,698	63,891	62,448	59,400	67,593	69,815	70,444	56,732	75,620	791,952

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Total output of BITUMINOUS COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	25,762	28,047	31,877	31,067	28,053	30,564	28,810	25,626	30,623	31,761	20,539	30,747	343,476
Crownnest	140,816	152,055	192,027	175,014	170,508	182,537	183,251	180,249	170,223	162,737	96,003	157,137	1,962,557
Highwood													
Mountain Park	58,971	76,292	80,712	88,446	79,459	73,114	75,351	75,876	73,301	64,368	37,829	59,692	843,411
Nordegg	25,137	28,003	30,993	27,100	26,640	28,811	26,331	.....	53,152	27,575	21,480	25,127	320,549
Total	250,686	284,397	335,609	321,627	304,650	315,026	313,943	281,751	327,299	286,441	175,351	272,703	3,469,993

Total output of COAL, COKE and BRIQUETTES during the year:

Coal	669,623	700,057	755,037	566,335	569,186	614,859	609,547	627,567	672,401	663,061	510,174	720,135	7,677,982
Coke	5,034	5,244	6,383	5,829	5,901	5,757	6,144	6,069	5,741	5,686	3,841	5,719	67,348
Briquettes	15,988	17,890	19,697	19,635	18,134	19,549	19,144	18,123	20,393	21,047	14,012	18,494	222,106

Total Sales of SUB-BITUMINOUS COAL for consumption by Railroad Companies:

Coalspur	13,721	15,502	20,113	24,341	30,036	30,315	25,989	26,206	21,877	17,756	19,041	20,816	265,713
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Total Sales of BITUMINOUS COAL for consumption by Railroad Companies:

Cascade	10,157	11,023	14,930	15,931	16,324	19,067	17,177	14,695	17,955	12,922	8,808	16,969	175,958
Crownnest	67,586	70,257	91,291	82,867	86,409	92,446	86,385	82,153	73,653	79,837	43,308	74,712	930,304
Mountain Park	37,224	45,733	59,758	69,972	50,494	37,007	44,594	43,699	41,250	38,639	21,858	41,405	531,633
Nordegg	17,199	18,662	20,336	16,962	16,926	17,896	15,477	.....	29,292	14,960	12,514	14,793	194,927
Total	132,166	145,675	186,315	185,732	170,153	166,416	163,633	140,547	161,460	146,358	86,488	147,879	1,832,822
Grand Total	145,887	161,177	206,428	210,073	200,189	196,731	189,622	166,753	183,337	164,114	105,529	168,695	2,098,535

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:

		LUMP COAL	
Big Valley	72	1,192	66
Brooks	1,592	1,000	668
Camrose	2,727	2,439	2,229
Carbon	2,671	2,459	1,715
Castor	2,962	2,298	1,115
Champion	1,156	812	790
Drumheller	18,087	17,081	14,706
Edmonton	18,710	18,741	20,205
Gleichen	896	779	578
Halcourt	83	120	283
Lethbridge	11,211	9,712	7,418
Pembina	500	338	241
Redcliff	837	447	341
Rochester	339	270	90
Sheerness	193	204	126
Taber	489	487	423
Tofield	7,940	4,960	1,251
High Prairie	.....	.....	.....
Total	70,465	62,231	53,371
		20,160	22,327
		33,572	41,841
		49,712	54,062
		65,771	65,326
		615,841	615,003

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MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	1,307	611	463	31	.....	156	367	588	1,000	1,952	2,520	1,198	10,193
Big Valley	135	50	50	.....	.....	.....	.....	.....	33	50	159	479	3,540
Brooks	454	166	79	.....	.....	533	.....	.....	186	1,756	366	19,329	33,064
Camrose	2,192	1,648	780	52	82	222	1,340	1,537	1,597	3,768	4,871	1,240	5,858
Carbon	5,201	4,430	3,449	547	389	405	921	2,184	2,550	2,658	4,472	5,858	33,064
Castor	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Champion	431	192	160	434	178	382	509	400	750	1,022	1,119	1,193	6,770
Drumheller	9,929	9,110	7,824	6,808	6,383	6,916	8,213	6,752	4,766	7,402	5,023	5,180	84,306
Edmonton	1,964	1,829	1,149	1,124	229	368	732	894	800	728	1,384	1,352	11,553
Gleichen	1,106	88	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	255
Halcourt	1,325	714	595	202	279	636	1,056	827	1,180	1,070	815	548	9,247
Lethbridge	106	38	49	30	23	38	156	146	628	641	512	267	2,634
Milk River	.....	.....	.....	101	2	38	36	12	47	63	81	39	419
Pakowki	311	511	234	934	905	855	528	725	854	1,082	708	3,470	11,117
Pembina	448	47	644	93	138	85	44	181	132	92	1,159	1,497	1,504
Redcliff	1,011	710	137	4	1	3	2	16	83	2,159	5,623	5,623	14,573
Rochester	1,261	728	884	1,114	555	1,234	1,013	1,827	1,335	1,252	1,656	1,514	964
Sheerness	206	132	132	78	282	88	1,307	1,537	1,017	1,135	950	1,988	20,524
Taber	1,433	1,873	1,281	4,032	1,884	1,307	30	60	200	.....	560	220	2,245
Tofield	410	430	245	.....	.....	.....	.....	.....	.....	11	10	112	8
Wetaskiwin	51	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitecourt	High Prairie	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	27,881	23,347	17,763	15,062	11,004	13,511	16,644	17,045	17,239	23,024	29,777	26,252	238,459

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SLACK COAL													
Ardney	41	449	123	93	186	131	196	194	5				
Big Valley	36	41	9	25	25	10	23	189	5				
Brooks	1,069	938	297	318	125	319	747	134	2,060				
Calmar	1,204	630	449	620	261	84	55	656	473				
Carbon	470	676	449	620	261	84	55	820	10,136				
Casper	50	44	20	17	10	8	13	207	1,473				
Champion	7,654	7,278	6,360	3,904	7,447	5,636	5,333	159	2,839				
Crumheller	10,463	10,128	9,842	4,691	2,975	3,790	4,988	986	10,136				
Dinmont	148	66	47	22	23	32	22	207	4,711				
Gleichen	6	31	4,339	4,908	5,992	6,731	5,924	5	4,711				
Gralalcourt	4,274	4,765	4,339	4,908	5,992	6,731	5,924	7,821	5				
Hethbridge	1,466	1,332	1,628	47	47	2	4	1	6,060				
Humbina	2	10	52	11	1	16	4	152	4,923				
Lochcliff	129	141	52	3	6	2	9	21	106				
Lochester	42	75	59	38	39	274	8	21	9				
Moherness	55	55	55	55	40	40	40	40	519				
Wabam	55	55	55	55	55	55	55	55	274				
Wabamfield	55	55	55	55	55	55	55	55	616				
Wetaskiwin	55	55	55	55	55	55	55	55	95				
Total	29,495	25,142	24,908	13,875	16,440	16,191	15,652	18,680	17,362	21,554	15,963	26,647	241,929

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

Areas		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
LUMP COAL														
Coalspur	2,682	2,703	2,426	1,355	1,231	868	757	1,622	1,763	1,688	1,823	3,032	21,950	
Pekisko	23	36	20	.....	12	168	244	239	84	252	22	1,100	1,100
Pincher	60	35	38	3	.....	206	168	580	271	548	57	274	274
Saunders	461	547	535	377	.....	.....	.....	.....	59	594	314	5,264	5,264
Prairie Creek	.....	.....	.....	.....	.....	.....	.....	.....	52	52	153	264	264
Total	3,226	3,437	3,031	1,893	1,608	1,086	1,093	2,446	2,273	2,379	2,802	3,578	28,852	
MINE-RUN COAL														
Coalspur	103	82	92	68	73	71	66	62	487	736	912	851	3,603	
Pekisko	997	965	946	384	555	999	720	478	560	699	732	506	8,541	
Saunders	117	136	64	82	54	118	74	52	58	97	64	58	974	
Total	1,217	1,183	1,102	534	682	1,188	860	592	1,105	1,532	1,708	1,415	13,118	
NUT COAL														
Coalspur	796	606	1,026	429	519	442	555	565	596	327	916	825	8,002	
Pekisko	35	71	73	.....	4	32	215	295	236	114	207	25	1,303
Pincher	13	4	6	.....	4	.....	114	185	527	219	20	23	62
Saunders	504	364	268	290	233	.....	.....	.....	200	322	284	347	3,657
Prairie Creek	.....	.....	.....	.....	.....	.....	.....	.....	20	44	74	74	338
Total	1,248	1,045	1,373	723	752	588	1,355	1,387	1,071	963	1,474	1,283	13,362	
SLACK COAL														
Coalspur	.....	.....	87	272	317	537	833	331	245	3	206	185	3,016
Pekisko	140	70	103	45	33	33	95	73	168	20	67	100	966	
Saunders	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44	72	136
Prairie Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	140	70	190	317	350	570	872	426	338	171	317	357	4,118	

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

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Total amount of Domestic Coal disposed of by Areas during each month for consumption in British Columbia

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Big Valley .....	.....	140	224	117	336	234	.....	173	.....	96	262	1,582
Amrose	190	540	130	253	177	.....	.....	.....	.....	.....	317	560
Carbon .....	.....	.....	851	853	136	.....	110	164	140	322	138	3,067
Astior	6,473	7,365	4,603	7,028	9,687	7,892	8,634	9,807	7,637	6,666	7,561	994	
Brumheller	6,889	7,447	882	174	134	131	90	47	47	20,242	43	1,763	
Edmonton	2,379	3,229	7,614	6,356	4,933	5,570	4,401	4,319	3,038	2,451	2,232	3,954	
Lethbridge	502	683	731	742	1,313	695	697	95	318	91	627	7,096	
Embina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	532
Edcliff .....	.....	.....	532	.....	.....	120	240	300	.....	.....	.....	1,820
Sheerness .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,160	161	284
Abber	41	82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oilfield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	10,491	10,676	16,921	13,777	14,340	17,593	13,763	14,029	13,323	10,453	9,407	14,223	159,016
MINE-RUN COAL													
Castor	80	120	161	120	180	120	200	40	40	762	713	541	1,186
Brumheller	55	356	125	125	336	2,427
Embina	241	438	358	763	508	1,311	1,258	1,364	1,823	1,906	897	406	11,273
Edcliff	41	85	43	43	41	1,412	1,128	43	44	382
Oilfield	720	1,260	413	4,520
Abber	413	413
Total	362	643	562	883	731	1,472	2,870	2,628	2,304	3,516	3,119	1,447	20,537

THE MINES BRANCH

NUT COAL

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	6,665	9,706	9,003	6,404	4,416	5,386	5,202	5,033	7,320	8,157	3,662	8,938	79,892
Saunders	.....	320	104	.....	.....	35	.....	.....	31	.....	40	.....	523
Prairie Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
Total	6,665	10,026	9,107	6,404	4,416	5,421	5,202	5,033	7,320	8,228	3,662	8,971	80,455

SLACK COAL

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	1,309	1,437	1,306	966	932	920	705	1,271	1,316	1,799	1,619	1,027	14,607
Saunders	.....	296	387	.....	.....	.....	.....	.....	5	.....	.....	.....	718
Total	1,309	1,733	1,693	966	932	920	705	1,271	1,351	1,799	1,619	1,027	15,325

Total amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Cascade	1,049	1,552	1,696	2,958	1,870	952	4,495	3,512	2,786	2,749	47	137	25,255
Crownest	804	1,331	939	1,359	1,001	1,423	1,904	1,669	2,297	1,979	928	708	16,596
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,114	776	776
Total	1,853	2,883	2,635	4,317	2,871	2,375	6,399	5,271	5,083	4,728	2,089	1,484	41,988

MINE-RUN COAL

Areas	Jan	Feb.	Mar.	April	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Cascade	191	85	174	104	6,957	8,473	53	172	51	1,466	1,868	146	981
Crownest	8,026	7,451	10,467	10,441	3,338	7,582	10,938	9,603	5,881	1,912	1,85	4,150	91,857
Mountain Park	9,222	12,263	4,391	3,391	6,951	2,743	2,265	1,812	912	.....	144	144	54,123
Total	17,439	19,799	15,032	13,883	16,808	15,464	10,389	13,395	11,466	6,793	2,199	4,294	146,961

	NUT COAL						
Cascade	290	251	468	711	83	131	467
Crowsnest	966	1,462	2,083	1,937	880	1,132	805
Mountain Park	723	1,454	995	1,592	972	1,095	977
Total	1,979	3,167	3,548	4,300	1,935	2,358	2,327

SLACK COAL

	SLACK COAL						
Cascade	5,866	7,606	6,794	7,562	5,394	5,974	6,432
Crowsnest	677	484	482	386	1,507	2,234	2,400
Mountain Park							
Total	6,543	8,090	7,276	7,948	7,501	8,208	8,832

Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

	LUMP COAL						
Ardley							
Brooks	41	.....	.....	.....	.....	.....	.....
Camsrose	133	86	42	253	341	86	87
Carbon	54,773	56,764	25,536	34,959	41,598	34,808	46,082
Drumheller	126	87	128	41	39	82	45
Edmonton	13,929	12,147	7,318	6,228	6,998	8,052	9,640
Lethbridge	945	1,107	361	.....	93	273	45
Pembina	559	443	179	89	129	218	134
Redcliff	2,514	1,138	42	89	42	182	811
Sheerness	36	2,279	.....	.....	84	.....	.....
Taber	868	755	208	42	123	244	335
Totield
Castor
Total	71,368	73,540	71,980	33,648	41,826	49,762	43,990

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MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbon	.....	.....	.....	.....	.....	.....	.....	.....	1,215	45	405	1,665	1,665
Castor	.....	.....	.....	.....	.....	.....	.....	.....	85	193	278	278	278
Drumheller	789	825	516	829	553	470	933	908	478	522	824	8,020	8,020
Lethbridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pembina	.....	.....	.....	.....	.....	.....	186	131	43	.....	.....	.....	360
Redcliff	366	652	223	271	89	316	135	180	232	443	443	3,502	3,502
Sheerness	1,235	714	375	1,193	500	542	308	417	724	1,009	1,184	9,274	9,274
Taber	.....	.....	.....	1,123	1,142	1,135	2,176	1,490	1,003	465	978	1,562	1,562
Tofield	2,350	3,004	2,513	2,513	2,513	2,513	2,513	2,513	2,513	2,513	2,513	18,941	18,941
Total	4,319	5,394	4,704	2,014	3,431	2,459	3,463	3,250	2,506	3,062	2,871	4,611	42,084

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Brooks	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camrose	39	41	41	42	41	42	41	41	41	43	47	47	479
Carbon	90	302	391	298	80	.....	.....	.....	.....	42	42	42	295
Drumheller	27,814	27,150	29,160	14,296	21,537	18,410	21,537	18,379	25,029	23,514	24,919	19,513	1,296
Edmonton	81	43	43	47	44	42	44	42	42	4109	3,536	3,602	275,407
Lethbridge	4,756	5,444	4,590	3,199	3,102	2,908	3,312	3,631	3,631	3,631	4,941	4,941	47,130
Pembina	77	82	43	43	42	42	42	37	37	37	37	37	386
Redcliff	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheerness	1,015	902	612	529	568	817	847	1,003	1,348	1,361	1,338	1,127	11,467
Total	33,872	33,923	34,837	18,369	22,122	25,434	22,697	29,768	28,971	29,859	24,500	32,365	336,717

SLACK COAL

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

MINE-RUN COAL

NUT COAL

oalspur	495	760	256	407	311	388	75	1,655	736	967	1,886	722	8,658
ekisko	556	482	698	330	561	166	466	610	524	399	179	418	5,389
aunders													
Total	1,051	1,242	954	737	872	554	541	2,265	1,260	1,366	2,065	1,140	14,047

SLACK COAL													
Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	44	294	277	336	201	521	179	399	370	496	3117	450	5262
Saunders	632	560	687	336	225	386	468	499	514	377	450	450	5262
Total	726	854	687	336	502	414	587	989	678	913	747	946	8379

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

MINE-BIIN COAL

NUT COAL

Cascade	268	386	254	83	44	303	177	219	1,209	1,068	166	4,177
Crowsnest	885	1,514	1,225	608	600	692	616	560	237	481	481	8,990
Mountain Park	.....	.....	101	232	.....	49	649	560	237	481	481	638
Total	1,153	1,900	1,580	923	929	644	995	820	835	1,531	647	13,805

	SLACK COAL						
Cascade	5,332	6,254	5,806	5,604	5,341	5,154	5,341
Crowsnest	230	143	703	725	349	349	395
Mountain Park							
Total	5,562	6,397	6,509	6,329	5,495	7,213	7,747

Total amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

	LUMP COAL						
Brooks	250	259	904	248	370	299	19,197
Carbon	21,093	22,038	25,036	13,890	16,000	14,961	16,039
Drumheller							
Edmonton	3,034	4,556	5,129	5,097	3,508	3,215	3,169
Lethbridge							
Pembina	248	544	327	183	227	88	43
Redcliff	42	85	.....	.....	.....	38	40
Sheerness							
Tofield							
Total	24,752	27,337	31,426	19,418	20,105	17,701	19,248

	MINE-RUN COAL						
Camrose							
Carbon	120	124	215	43	124	43	124
Drumheller							
Edmonton							
Pembina							
Redcliff							
Sheerness							
Tofield							
Total	162	124	215	43	124	43	124

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Areas	Jan.	NUT COAL										Total
		Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Camrose	45	101	88	93	15	45	45
Carbon	7,877	7,943	6,658	2,909	4,447	5,545	4,820	5,729	5,826	5,829	5,425	523
Drumheller	11	11	.....	.....	.....	.....	.....	.....	.....	.....	6,424	69,432
Edmonton	1,249	1,233	904	346	818	1,093	91	970	1,078	905	901	11
Lethbridge	1,300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,285
Pembina	.....	.....	.....	.....	.....	91	.....	.....	.....	.....	.....	91
Total	9,171	9,334	8,063	3,901	4,886	6,378	6,049	6,699	6,904	6,734	6,326	7,897
												82,342

SLACK COAL

Areas	Jan.	SLACK COAL										Total
		Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Carbon	2,691	3,580	86	43	.....	.....	.....	.....	.....	.....	90	129
Drumheller	.....	449	2,672	1,875	3,118	1,903	487	225	.....	.....	191	16,832
Edmonton	.....	1,703	.....	91	94	.....	491	221	393	.....	.....	3,442
Lethbridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	2,691	4,029	4,461	2,096	3,212	1,903	978	446	393	90	191	20,403

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

Areas	Jan.	LUMP COAL										Total
		Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Coalspur	2,576	3,685	4,207	2,495	1,466	1,628	1,578	2,274	3,379	4,258	1,351	4,190
Saunders	1,618	703	850	1,284	1,388	430	1,363	1,063	935	980	989	1,235
Total	4,194	4,388	5,057	3,779	2,854	2,058	2,941	3,337	4,314	5,238	2,340	5,425
												45,925
Saunders	.....	38	18	67	55	.....	45	41	.....	.....	35	299

	NUT COAL						
Coalspur	1,330	1,664	1,041	463	627	453	316
Saunders	386	98	192	231	378	135	223
Total	1,716	1,762	1,233	694	1,005	588	539

	SLACK COAL						
Coalspur	1,034	1,154	841	302	564	454	482
Saunders	497	204	105	388	386	137	228
Total	1,531	1,358	946	690	950	591	710

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

	LUMP COAL						
Cascade	89	123	102	109	821	45	92
Crownest	1,654	2,576	2,142	1,435	784	1,057	1,272
Mountain Park	47	.....	.....	46	46	174	136
Total	1,743	2,746	2,244	1,544	830	995	1,144

	MINE-RUN COAL						
Cascade	828	1,166	130	96	132	88	225
Crownest	1,235	853	192	92	515	1,326	3,670
Mountain Park	225	363	401	166	272	616	234
Nordegg	31	458	500
Total	2,319	2,382	723	354	404	973	2,030

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NUT COAL

Areas	Jan.	Feb.	Mar.	April ¹	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	2,086	3,476	3,092	2,539	802	171	1,019	927	1,348	3,204	1,444	1,394	21,502
Crownest	2,382	704	338	434	373	231	415	809	396	278	158	272	6,790
Mountain Park	1,985	2,405	1,038	1,312	1,980	1,764	2,158	2,574	2,134	1,081	514	520	19,465
Nordegg	40	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	79
Total	6,493	6,624	4,468	4,285	3,155	2,166	3,592	4,310	3,878	4,563	2,116	2,186	47,836

SLACK COAL

Areas	Jan.	Feb.	Mar.	April ¹	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	159	124	206	83	40	125	173	168	375	82	81	1,616	.....
Crownest	7,443	7,947	7,381	6,557	4,992	3,665	4,787	3,806	2,826	1,239	1,770	3,335	55,768
Mountain Park	650	747	.....	2,381	4,498	5,511	6,754	6,325	5,901	3,766	2,351	2,351	38,884

Total amount of Domestic Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April ¹	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38
Drumheller	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38
Edmonton	167	43	43	43	725	.....	.....	132	.....	42	.....	.....	1,152

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Ship's Bunkers:

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April ¹	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crownest	4,065	.....	.....	4,624	6,193	4,549	4,619	4,702	1,403	.....	30,155
Mountain Park	4,065	.....	.....	4,624	6,193	4,549	4,619	4,702	1,403	.....	8,654

Total 38,809

Total amount of Domestic Coal disposed of by areas during each month for consumption in United States:

NUT COAL

SLACK COAL

MINERUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Rownsnest Mountain Park	2,298	1,701	10,684	20,396	14,214	15,472	13,326	10,932	11,400	7,051	6,307	13,970	127,751
Mountain Park .....	.....	.....	.....	.....	.....	10,675	8,444	8,181	483	5,814	2,577	5,721	41,895
Total	2,298	1,701	10,684	20,396	14,214	26,147	21,770	19,113	11,883	12,865	8,884	19,691	169,646

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rowsnest	2,043	8,435	4,278	3,623	6,408	1,410	1,485	1,052	456	674	1,069	243	31,176
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Amount of Domestic Coal used under Colliery Boilers by areas during each month:

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

Coalspur	3,651	3,403	3,762	3,412	3,695	3,313	2,343	3,586	3,646	3,788	3,652	3,957	42,708
Pekisko	60	60	60	60	75	70	56	49	47	44	47	30	638
Prairie Creek	809	815	920	593	551	396	524	581	612	634	100	125	305
Saunders											485	659	7,579
Total	4,520	4,278	4,742	4,065	4,321	3,779	3,423	4,216	4,325	4,526	4,284	4,771	51,250

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

Cascade	1,787	1,537	1,751	1,518	1,460	1,575	1,560	1,530	1,576	1,830	1,313	1,885	19,322
Crownest	1,959	1,719	2,022	1,470	1,149	990	931	974	980	1,195	1,516	1,670	16,575
Highwood	4,570	4,301	4,746	4,309	4,134	4,236	4,181	4,156	4,249	4,629	5,098	52,942	52,942
Mountain Park	589	519	1,064	307	344	414	397	397	887	567	529	650	6,267
Total	8,905	8,076	9,583	7,604	7,087	7,313	7,124	6,685	7,598	7,841	7,987	9,303	95,106

Amount of Domestic Coal used by Colliery Railroads by areas during each month:

Redcliff	85	60	65	21	20	15	20	35	33	40	45	33	472
Total													

Amount of Sub-Bituminous Coal used by Colliery Railroads by areas during each month:

Coalspur	444	445	443	434	432	436	432	444	428	440	432	440	5,250
Total													

Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

Cascade	70	65	75	70	60	65	66	66	50	52	32	52	722
Total													

Amount of Bituminous Coal used making Briquettes:

Cascade	7,920	8,244	8,930	8,617	8,256	8,032	7,993	5,908	6,885	7,747	4,856	7,967	90,455
Crownest	6,991	8,511	9,476	9,675	9,566	10,186	10,787	.....	.....	23,400	11,903	8,408	9,449
Nordegg													118,352
Total	14,911	16,755	18,406	18,292	17,822	18,218	17,880	5,908	30,285	19,650	13,264	17,416	208,807

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Amount of Bituminous Coal used making Coke:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Crownest	7,881	8,030	9,132	8,744	8,843	8,680	9,216	8,990	8,672	8,844	5,371	8,729	101,132

Amount of Domestic Coal Put to Stock by areas during each month:

Big Valley	50	47	90	25	756	120	90	45	80	145	175	15	90
Carbon	120	60	95	75	70	.....	.....	.....	.....	.....	.....	10	30
Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	933
Castor .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,140
Lethbridge .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rochester .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitecourt .....	.....	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	67
High Prairie .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
Total	170	164	210	75	70	876	90	45	80	160	195	215	2,350

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

Coalspur	281	130	9	.....	67	.....	45	11	57	28	170	34	583
Pincher .....	.....	.....	.....	.....	.....	.....	.....	101	.....	.....	.....	.....	1,406
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
Total	281	139	.....	.....	67	.....	45	112	57	28	170	34	583
													1,516

Amount of Bituminous Coal Put to Stock by areas during each month:

Cascade	125	106	305	281	302	427	408	456	484	760	652	585	4,891
Crownest	331	224	1,211	43	553	970	373	424	674	1,261	1,050	.....	7,114
Highwood .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain Park	18	65	25	100	.....	290	.....	.....	.....	90	60	225	873
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	474	295	1,541	424	855	1,687	781	880	1,158	2,111	1,762	810	12,878

Amount of Domestic Coal Put to Waste by areas during each month:

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

Boalsburg	3,058	2,644	4,393	2,846	2,305	2,295	2,565	2,491	2,799	2,477	1,430	2,156	31,459
Inchiner	10	8	9	2	15	25	10	.....	.....	180	20	16	115
Prairie Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	180
Total	3,068	2,652	4,402	2,848	2,220	2,320	2,575	2,491	2,979	2,477	1,450	2,172	31,754

Amount of Bituminous Coal Put to Waste by areas during each month:

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Amount of Domestic Coal Lifted from Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Big Valley	95	47	...	...	831	1,105	...	...	...	...	...	...	2,078
Carbon	2,407	3,026	60	305	278	894	757	252	98	856	1,719	316	10,368
Drumheller	...	...	342	588	100	12	...	...	...	...	...	...	1,042
Edmonton	...	...	2	...	...	...	...	...	...	...	...	28	28
Halcourt	...	...	...	...	...	...	...	...	...	...	...	...	...
Lethbridge	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	2,502	3,073	404	893	1,209	2,011	757	252	98	856	1,719	344	14,118

Amount of Sub-Bituminous Coal Lifted from Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	12	34	1,623	6	3	68	...	...	56	151	163	68	563
Pincher	...	...	...	...	...	...	...	...	101	...	...	...	...
Saunders	...	...	...	...	...	...	...	...	...	...	...	...	9
Total	12	34	1,629	3	68	...	...	56	252	163	68	563	90

Amount of Bituminous Coal Lifted from Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	30	125	106	305	281	302	427	408	1,361	279	484	760	652
Crownest	230	50	202	1,077	89	280	508	...	...	43	...	...	4,336
Mountain Park	...	...	43	...	265	...	140	...	...	434	...	90	2,128
Nordegg	25	13	...	...	...	...	...	...	...	...	...	60	1,070
Total	285	188	351	1,382	635	582	1,075	1,769	1,169	527	850	2,840	11,653

Amount of Domestic Coal Lifted from Waste by areas during each month:

Camrose	225	120	.....	648	2,173	903	.....	676	178	223	160	.....	50	.....	555
Carbon .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52	15	4,801
Drumheller .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	225	120	.....	648	2,173	903	.....	676	178	383	.....	102	15	.....	5,423

Amount of Sub--Bituminous Coal Lifted from Waste by areas during each month:

Coalspur	200	200
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Output and Number of Mines Producing

Kind of Coal	Output and Number of Mines Producing																
	Under 1,000 tons	1,000 to 5,000 tons	5,000 to 10,000 tons	10,000 to 50,000 tons	50,000 to 100,000 tons	100,000 to 150,000 tons	150,000 to 200,000 tons	200,000 to 300,000 tons	300,000 to 400,000 tons	400,000 to 500,000 tons	500,000 to 600,000 tons	600,000 to 700,000 tons	700,000 to 800,000 tons	800,000 to 900,000 tons	900,000 to 1,000,000 tons	Total	
No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output		
Domestic	56	24,894	59	136,228	19	134,679	25	559,399	9	582,934	5	641,447	2	361,140	4	975,316	
Sub-Bituminous	1	451	2	6,200	1	7,430	3	76,320	2	166,591	.....	.....	3	534,960	.....	.....
Bituminous	1	183	2	5,411	1	6,370	1	29,013	.....	.....	.....	.....	41,052,309	62,376,707	179	3,416,037
Total	58	25,528	63	147,839	21	148,479	29	664,732	11	749,525	5	641,447	5	896,100	8,2,027,625	62,376,707	206,7,677,982

THE MINES BRANCH

Number of men employed in the DOMESTIC FIELD as at December 31st, 1943:

Areas	UNDERGROUND										ABOVE GROUND										TOTAL			
	Officials	Hand Cutters	Machinists Cutters & Help'rs	Chutes Loaders	Horse Help'rs	Hoist Men	Timber Men	Pump Men	Other Employees	Total Employees	Admitts.	Protration	Admitts.	Firemen	Carpenters and Masons	Mechanics	Surface Haulage	All Other Employees	Total Above Ground					
Ardley	5	5	3	...	...	1	...	...	1	25	1	2	2	...	...	...	...	2	5	30			
Big Valley	1	5	9	...	...	1	...	...	1	7	21	11	2	1	...	...	1	14	23	34			
Brooks	3	51	1	...	...	5	...	...	2	1	12	74	3	8	8	5	7	7	31	70	144		
Carrose	9	19	4	39	1	12	...	...	1	86	1	86	3	10	8	1	2	2	28	59	183		
Carbon	24	90	2	...	...	1	...	...	1	124	1	8	8	2	1	...	...	...	...	25			
Castor	3	21	...	...	...	...	...	...	1	24	1	8	8	2	1	...	...	...	...	1			
Champion	109	45	148	964	...	208	66	10	106	85	4	117	1,862	17	71	179	13	8	16	10	136	473		
Drumheller	46	122	27	200	46	10	6	23	59	3	90	632	10	20	42	25	2	1	4	4	7	39	154	
Edmonton	6	23	3	15	2	2	...	...	2	...	...	53	1	1	2	1	...	...	4	2	11	64	
Gleichen	1	6	...	...	...	...	...	...	...	...	...	8	...	1	2	4	...	...	1	1	8	16	
Haloourt	1	1	1	...	...	...	...	...	...	...	...	1	3	1	...	...	...	...	...	1	1	1	
High Prairie	31	4	48	294	...	66	37	7	13	21	3	36	560	4	28	45	14	3	5	6	20	6	54	
Lethbridge	1	1	2	1	...	...	...	...	...	...	...	4	...	1	1	1	...	...	...	...	1	...	
Milk River	2	7	23	4	18	11	2	...	3	1	1	73	2	6	7	5	1	1	8	1	1	1		
Pakowki	2	10	4	14	4	4	...	...	1	1	3	29	1	1	5	1	...	...	...	...	...	38	
Pembina	1	1	1	...	...	...	...	...	...	...	...	11	...	1	3	5	2	...	1	1	1	11	
Redcliff	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	3	5	2	...	...	...	22	
Rochester	1	1	2	2	6	1	1	1	1	...	...	...	...	...	13	7	16	1	5	4	2	3	
Sheerness	1	2	1	9	...	1	1	1	1	...	...	...	...	4	6	12	3	5	6	2	2	129	
Taber	1	1	1	...	...	...	...	...	...	...	...	...	...	4	6	1	...	...	...	...	...	142	
Wataskiwin	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	
Whitecourt	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
Total	262	460	247	1,551	1	360	118	23	147	173	12	281	3,635	58	188	365	67	16	28	52	45	506	1,377	5,012

Number of men employed in the SUB-BITUMINOUS FIELD as at December 31st, 1943;

BITUMINOUS FIELD

cascade	18	87	9	13	141	6	28	2	7	5	16	32	4	7	4	2	54	120	320						
Townnest	102	893	64	37	36	153	16	34	7	160	125	19	23	16	68	23	186	566	2,226						
Mountain Park	46	234	12	126	50	61	7	7	7	75	8	71	22	52	10	15	11	11	274	919					
Nordegg	...	...	...	...	...	17	5	25	19	4	...	258	2	13	6	7	5	10	10	445
Total	178	1,340	73	13	178	121	259	30	73	259	18	221	2,763	35	115	215	33	54	47	39	89	37	483	1,147	3,910

SUMMARY

Domestic	262	460	247	1,551	23	147	173	12	281	3,635	58	188	365	67	16	28	52	52	45	506	1,377	5,012			
Sub-Bituminous	331	79	45	162	20	29	17	9	11	25	6	12	446	18	39	83	29	36	12	20	15	36	144	432	
Bituminous	178	1,340	73	13	178	121	259	30	73	259	18	221	2,763	35	115	215	33	54	47	39	89	37	483	1,147	3,910
Total	471	1,879	365	1,726	198	511	394	62	231	457	36	514	6,844	111	342	663	129	106	87	111	156	118	1,133	2,956	9,800

THE MINES BRANCH

Men employed above and below ground in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Ardley	31	23	21	4	2	3	11	17	20	32	35	30	19
Big Valley	20	21	19	14	13	18	18	18	18	20	36	30	20
Brooks	20	16	13	10	12	14	17	22	27	34	34	34	19
Camrose	87	81	78	68	67	73	75	78	107	103	144	144	86
Carbon	126	123	114	82	72	78	87	70	86	332	130	107	100
Castor	133	141	100	34	30	31	57	80	84	139	199	183	101
Champion	28	27	24	23	21	23	24	24	24	30	25	25	25
Drumheller	2,169	2,133	2,140	1,909	1,813	1,899	2,014	2,118	2,168	2,262	2,335	2,087	
Edmonton	858	785	720	535	429	483	537	563	594	649	732	786	639
Gleichen	89	92	66	27	34	35	36	35	46	58	64	51	
Halcourt	13	14	15	4	.....	.....	6	7	4	11	14	10	
High Prairie	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lethbridge	680	688	648	600	596	597	620	641	667	693	719	745	658
Milk River	6	5	4	2	3	4	6	6	11	11	7	6	
Pakowki	.....	66	64	47	55	62	65	62	62	62	58	58	
Pembina	65	43	39	29	33	31	33	36	35	37	37	38	36
Redcliff	43	43	15	5	9	4	4	4	5	5	6	5	
Rochester	16	33	28	26	23	13	18	16	29	33	40	42	
Sheerness	28	26	26	20	17	22	19	20	51	143	193	142	59
Taber	82	84	64	37	30	37	38	38	59	62	60	116	58
Tofield	7	6	5	2	2	2	4	5	5	6	7	6	5
Wetaskiwin	1	3	.....	.....	.....	.....	1	1	1	1	1	1	1
Total	4,535	4,422	4,193	3,478	3,244	3,424	3,680	3,829	4,010	4,438	4,812	5,012	4,094

Men employed above and below ground in the SUB-BITUMINOUS FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Coalspur	691	692	641	594	598	605	593	643	656	694	722	717	654
Pekisko	17	16	12	12	10	12	11	11	13	12	12	16	13
Pincher Creek	3	3	2	1	1	1	1	1	2	2	2	2	2
Prairie	131	133	126	111	111	107	104	112	110	109	118	121	117
Saunders	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	122	116
Total	842	844	786	719	722	723	719	779	793	839	875	878	802

Men employed above and below ground in the BITUMINOUS FIELD by areas during each month:

Cascade	303	304	300	298	301	299	306	320	323	318	317	320	309
Crowsnest	2,155	2,182	2,146	2,070	2,038	2,049	2,086	2,108	2,148	2,182	2,232	2,226	2,135
Mountain Park	868	857	826	837	826	845	872	890	892	901	925	919	876
Nordegg	438	436	409	392	371	391	426	426	425	427	441	445	420
Total	3,771	3,790	3,712	3,597	3,536	3,584	3,690	3,754	3,788	3,828	3,915	3,910	3,740

Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS FIELDS by areas during each month:

Domestic	4,535	4,422	4,193	3,478	3,244	3,424	3,680	3,829	4,010	4,438	4,812	5,012	4,094
Sub-Bituminous	842	844	786	719	722	723	719	779	793	839	875	878	802
Bituminous	3,771	3,790	3,712	3,597	3,536	3,584	3,690	3,754	3,788	3,828	3,915	3,910	3,740
Total	9,148	9,056	8,691	7,794	7,502	7,731	8,089	8,362	8,591	9,105	9,602	9,800	8,636

THE MINES BRANCH

PER CAPITA PRODUCTION OF MINES IN THE PROVINCE

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,202,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871
1931	4,563,309	8,070	577	5,969	701
1932	4,867,984	7,837	621	5,772	844
1933	4,714,784	8,042	586	5,937	794
1934	4,748,848	7,863	604	5,809	744
1935	5,462,973	7,800	700	5,644	969
1936	5,696,375	8,110	702	5,940	959
1937	5,551,682	7,836	708	5,806	956
1938	5,230,025	7,411	706	5,427	965
1939	5,518,105	7,456	740	5,517	1,000
1940	6,205,088	7,416	836	5,526	1,122
1941	6,970,064	7,714	903	5,652	1,233
1942	7,754,279	8,040	964	5,865	1,322
1943	7,677,982	8,636	889	6,197	1,160

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765
1931	2,245,563	4,400	510	3,419	628
1932	2,574,785	4,548	566	3,539	728
1933	2,434,047	4,480	543	3,487	698
1934	2,295,566	4,289	535	3,370	644
1935—Stp. pit	130,084	96	1,355	.....	.....
B. Ground	2,517,828	3,927	658	3,059	823
1936—Stp. pit	80,111	107	749	.....	.....
B. Ground	2,761,120	4,112	671	3,243	851
1937—Stp. pit	80,116	79	1,014	.....	.....
B. Ground	2,551,034	3,148	810	3,162	832
1938—Stp. pit	72,829	74	945	.....	.....
B. Ground	2,380,434	3,573	667	2,846	801*
1939—Stp. pit	76,394	73	1,048	.....	.....
B. Ground	2,372,805	3,636	653	2,900	818*
1940—Stp. pit	74,021	71	1,042	.....	.....
B. Ground	2,463,184	3,556	692	2,844	866*
1941—Stp. pit	88,142	63	1,399	.....	.....
B. Ground	2,625,112	3,427	766	2,745	956*
1942—Stp. pit	119,615	67	1,785	.....	.....
B. Ground	3,093,498	3,485	888	2,777	1,114*
1943—Stp. pit	137,307	78	1,760	.....	.....
B. Ground	3,278,730	4,016	816	3,133	1,046*

*See note on page over.

PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1922—Stp. pit	367,514	217	1,692	.....	.....
B. Ground	179,550	403	445	277	648
1923—Stp. pit	288,467	190	1,513	.....	.....
B. Ground	174,994	354	494	260	673
1924—Stp. pit	369,724	211	1,752	.....	.....
B. Ground	222,222	393	565	278	799
1925—Stp. pit	335,993	162	2,074	.....	.....
B. Ground	245,842	461	533	326	754
1926—Stp. pit	258,964	147	1,761	.....	.....
B. Ground	231,407	443	545	305	758
1927—Stp. pit	304,584	194	1,583	.....	.....
B. Ground	290,606	478	608	321	905
1928—Stp. pit	394,682	179	2,205	.....	.....
B. Ground	345,810	643	536	457	756
1929—Stp. pit	319,764	163	1,962	.....	.....
B. Ground	348,344	585	595	402	866
1930—Stp. pit	304,144	157	1,937	.....	.....
B. Ground	299,187	569	526	390	767
1931—Stp. pit	280,251	161	1,803	.....	.....
B. Ground	191,138	486	393	336	569
1932—Stp. pit	348,266	177	1,862	.....	.....
B. Ground	211,213	491	430	341	619
1933—Stp. pit	309,365	170	1,820	.....	.....
B. Ground	244,776	516	474	370	661
1934—Stp. pit	302,054	158	1,912	.....	.....
B. Ground	235,488	482	489	326	722
1935—Stp. pit	287,970	180	1,600	.....	.....
B. Ground	278,466	501	830	337	826
1936—Stp. pit	263,899	175	1,508	.....	.....
B. Ground	302,587	532	569	360	841
1937—Stp. pit	229,747	149	1,542	.....	.....
B. Ground	276,782	504	549	348	795
1938—Stp. pit	227,317	148	1,536	.....	.....
B. Ground	261,595	633	772	327	800*
1939—Stp. pit	246,459	142	1,735	.....	.....
B. Ground	265,646	494	538	320	830*
1940—Stp. pit	318,425	241	1,321	.....	.....
B. Ground	280,261	393	713	328	854*
1941—Stp. pit	320,801	272	1,179	.....	.....
B. Ground	264,652	384	689	248	1,069*
1942—Stp. pit	332,748	191	1,742	.....	.....
B. Ground	400,799	521	769	342	1,172*
1943—Stp. pit	351,890	360	967	.....	.....
B. Ground	440,062	442	996	399	1,102*

*See note.

PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,686	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,380	4,133	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,862	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077
1930	2,278,490	3,341	682	2,461	926
1931	1,846,357	3,023	611	2,214	834
1932	1,733,720	2,621	660	1,892	916
1933	1,726,596	2,876	600	2,080	830
1934	1,915,740	2,934	653	2,113	907
1935	2,248,625	3,096	726	2,248	1,000
1936	2,288,658	3,184	719	2,337	979
1937	2,414,003	3,156	765	2,295	1,052
1938	2,287,850	3,131	731	2,254	1,015
1939	2,556,801	3,111	822	2,297	1,113
1940	3,069,197	3,155	972	2,354	1,303
1941	3,671,357	3,568	1,029	2,659	1,381
1942	3,807,619	3,766	1,008	2,746	1,387
1943	3,469,993	3,740	927	2,665	1,302

PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD

1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

NOTE.—The table showing the number of men employed in the Anthracite Coal Field, includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

*Calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

It will also be noted that the tonnage used in the above and following tables does not include tonnage extracted under permit.

THE MINES BRANCH

PER CAPITA PRODUCTION OF MINES BY AREAS:

DOMESTIC COAL FIELD

Areas	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley	10,239	19	538	17	602
Big Valley	12,836	20	642	15	855
Brooks	30,381	19	1,591	8	3,797
Camrose	63,834	86	742	60	1,063
Carbon	68,391	100	684	78	876
Castor	59,764	101	591	81	737
Champion	11,776	25	471	23	512
Drumheller	1,838,738	2,087	881	1,677	1,096
Edmonton	457,002	639	715	517	883
Gleichen	21,369	51	419	44	485
Halcourt	1,873	10	187	7	267
High Prairie	191	3	63	3	63
Lethbridge	579,234	658	880	490	1,182
Milk River	2,634	6	439	3	878
Pakowki	419	2	209	2	209
Pembina	53,611	70	765	49	1,094
Redcliff	28,165	36	780	27	1,043
Rochester	7,287	10	728	4	1,821
Sheerness (Stripping)	57,528	27	2,130	.....	.....
Sheerness (Underground)	1,405	2	702	2	702
Taber	20,596	59	349	14	1,471
Tofield (Stripping)	79,779	51	1,564	.....	.....
Tofield (Underground)	5,534	7	790	7	790
Wetaskiwin	3,272	5	654	5	654
Whitecourt	179	1	179	.....	.....
Total	3,416,037	4,094	834	3,133	1,046*

SUB-BITUMINOUS COAL FIELD

Coalspur (Stripping)	351,890	360	977	.....	.....
Coalspur (Underground)	361,192	294	1,228	294	1,228
Pekisko	11,802	13	907	11	1,072
Pincher	451	2	225	2	225
Prairie Creek	1,828	17	107	10	182
Saunders	64,789	116	558	82	790
Total	791,952	802	987	399	1,102*

*This figure is arrived at by deducting the tonnage from stripping pits from gross tonnage mined and dividing the product by the number of men employed underground.

BITUMINOUS COAL FIELD

Cascade	343,476	309	1,111	204	1,683
Crowsnest	1,962,557	2,135	919	1,602	1,225
Mountain Park	843,411	876	962	612	1,378
Nordegg	320,549	420	763	247	1,297
Total	3,469,993	3,740	927	2,665	1,302

SUMMARY

Domestic	3,416,037	4,094	834	3,133	109
Sub-Bituminous	791,952	802	987	399	1,984
Bituminous	3,469,993	3,740	927	2,665	1,302
Total	7,677,982	8,636	889	6,197	1,160

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	19.29	15.6	9.86	2.5	20.0	16.7	13.4	19.3	18.9	22.0	14.6	172.15	
Big Valley	21.75	21.33	22.0	21.0	10.5	23.0	22.5	21.7	23.3	17.2	249.28		
Brooks	25.5	22.0	27.0	23.0	26.0	26.0	23.0	24.5	26.0	22.0	297.0		
Camrose	20.8	20.75	21.5	19.0	23.5	23.0	23.3	22.5	16.2	21.3	20.3	257.65	
Carbon	20.0	18.34	14.1	7.88	11.2	12.6	15.0	22.3	20.0	23.6	16.6	203.22	
Castor	19.9	17.4	10.84	12.5	10.6	13.8	18.9	20.8	20.1	24.0	19.8	209.48	
Champion	22.0	19.25	21.0	11.25	17.5	21.0	24.5	25.25	24.75	21.2	25.3	253.90	
Drumheller	20.62	20.81	22.71	13.89	20.8	22.8	21.4	22.7	22.0	23.1	18.8	252.38	
Edmonton	22.37	21.7	22.15	12.94	19.7	20.1	21.5	22.9	21.6	23.8	16.5	247.26	
Gleichen	19.0	20.5	21.5	14.4	15.6	17.4	19.8	21.0	21.0	21.4	19.7	233.10	
Halcourt	16.34	20.5	21.0	4.0	.....	.....	.....	25.0	24.0	17.0	17.3	145.14
High Prairie	20.25	19.4	20.0	19.72	18.9	22.1	22.7	21.9	22.9	23.4	18.9	27.0	
Lethbridge	16.0	7.0	8.0	6.5	6.5	7.5	12.5	12.5	24.5	25.0	20.0	249.77	
Milk River	12.0	7.0	1.0	10.5	12.0	4.0	15.5	14.5	15.5	11.0	103.0		
Pakowski	23.5	22.0	16.7	24.0	18.0	26.0	14.0	23.0	24.0	19.5	18.8	249.50	
Pembina	20.5	20.5	23.5	15.0	11.5	20.5	22.5	22.0	23.5	24.0	17.0	244.0	
Redcliff	24.5	23.5	24.0	4.0	3.0	3.0	2.0	10.5	19.0	25.0	26.0	166.50	
Rochester	16.4	18.5	18.25	10.6	8.75	9.0	19.5	13.4	16.0	18.9	17.8	183.10	
Sheerness	17.8	15.4	14.8	12.67	13.3	20.0	19.5	8.0	19.8	24.7	21.0	204.17	
Taber	20.5	22.2	13.75	15.0	25.0	23.0	25.0	20.0	20.5	18.6	24.75	25.0	
Totield	25.0	24.0	24.0	5.0	.....	9.0	20.0	24.0	25.0	22.0	203.0	253.30
Wetaskiwin	18.0	18.0	.....	.....	.....	.....	.....	.....	10.0	7.0	53.0	244.30
Total	20.52	19.24	18.58	12.1	15.44	17.8	18.13	18.39	21.13	21.32	19.19	223.03	

Number of days on which Coal was drawn in the SUB-BITUMINOUS FIELD by areas during each month:

Coalspur	20.67	20.84	23.5	22.0	22.7	20.0	17.0	23.3	23.8	23.7	16.0	22.7
Perisko	23.0	22.0	24.0	12.0	23.0	23.5	25.0	24.0	22.5	24.0	18.5	265.50
Pincher Creek	14.0	9.0	7.0	2.0	.....	.....	.....	.....	26.0	20.0	21.0	79.0
Saunders	22.5	24.0	26.5	22.5	23.0	14.0	16.5	26.0	24.5	25.0	17.5	67.0
Total	20.04	18.96	20.25	14.62	22.9	19.2	19.5	24.43	18.2	24.4	20.7	21.1

THE MINES BRANCH

Number of days on which Coal was drawn in the BITUMINOUS FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	25.0	23.5	26.5	25.0	24.5	25.0	23.5	24.0	25.0	25.5	21.0	25.5	296.00
Crowsnest	19.15	18.67	22.58	21.84	22.5	26.0	23.5	25.7	23.0	23.8	14.5	20.7	262.14
Mountain Park	22.0	24.0	24.75	24.5	22.8	25.5	25.5	25.0	25.25	25.0	11.7	23.5	279.50
Nordegg	20.0	21.0	24.0	23.0	22.0	23.0	22.0	23.0	25.0	25.0	19.0	24.0	271.0
Total	21.54	21.79	24.46	23.59	22.95	24.75	24.2	24.55	24.5	24.89	16.55	23.4	277.17

Number of days on which Coal was drawn each month:

Domestic	20.52	19.24	18.58	12.1	15.44	17.8	18.13	18.39	21.13	21.32	21.19	19.19	223.03
Sub-Bituminous	20.04	18.96	20.25	14.62	19.5	19.2	19.5	24.43	18.2	24.4	20.7	21.1	244.30
Bituminous	21.54	21.79	24.46	23.59	22.95	24.75	24.2	24.55	24.5	24.89	16.55	23.4	277.17
Total	20.7	20.0	21.1	16.77	20.43	20.58	20.61	22.46	21.28	23.54	19.48	21.23	248.18

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Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1943:

DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Jan. to June	
													Above Ground	Below Ground
Ardley	20	473	8	311	6	204	36	135	2	102	40	34	1,066	
Big Valley	96	388	96	335	81	297	73	169	32	128	256	480	1,580	
Brooks	168	229	134	172	100	168	95	101	112	128	121	737	877	
Camrose	536	1,463	394	1,331	426	1,418	233	1,082	252	1,078	376	1,213	2,377	
Carbon	461	2,246	438	2,118	479	1,899	406	888	453	918	491	1,182	2,728	
Castor	275	2,319	255	2,363	208	1,450	52	315	49	394	59	363	898	
Champion	46	37,476	41	428	47	440	21	172	37	264	45	359	237	2,139
Drumheller														195,434
Edmonton														62,602
Gleichen	202	1,805	190	1,901	226	1,298	84	343	47	473	6,853	2,408	7,493	15,389
Halcourt	80	105	88	198	116	218	25	116	17	17	146	580	895	6,400
Lethbridge	4,000	11,663	4,044	11,131	4,293	11,571	3,725	8,948	3,738	8,421	4,053	9,811	28,853	61,545
Milk River	40	38	10	17	8	20	2	11	2	11	1	21	63	124
Pakowki														68
Penibina														5,433
Redcliff														3,195
Rochester														268
Sheerness														146
Taber														1,695
Tofield														549
Westlock														445
Wetaskiwin														88
Whitecourt														...
Total	20,867	74,885	20,938	71,860	21,745	73,429	15,413	41,352	17,573	49,336	18,886	57,290	115,422	368,152

THE MINES BRANCH

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1943:

DOMESTIC FIELD

Areas	July		August		September		October		November		December		July to Dec.		Total for year 1943	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	158	8	218	35	320	95	363	153	486	67	266	358	1,811	392	2,877	2,877
Big Valley	120	123	234	125	310	130	358	148	455	141	364	787	1,896	1,267	3,476	3,476
Brooks	180	134	216	138	236	165	279	174	440	239	342	214	1,693	2,430	1,941	1,941
Carmrose	435	1,203	424	1,298	410	1,147	577	1,324	656	1,059	1,620	1,558	3,932	6,329	15,174	15,174
Carbon	496	1,357	339	1,051	465	1,382	432	1,337	559	1,615	392	1,517	2,683	8,459	5,411	5,411
Castor	105	919	112	1,335	117	1,590	462	1,739	1,518	2,568	491	2,298	2,805	10,449	3,703	3,703
Champion	48	442	51	466	50	470	34	462	26	509	24	394	233	2,743	470	4,882
Drumheller	8,906	30,666	10,162	35,994	10,213	35,214	10,722	36,430	9,077	29,787	10,538	36,932	59,622	205,043	112,538	400,477
Edmonton	2,626	8,336	2,922	9,126	2,952	9,126	2,975	10,430	2,619	7,735	3,558	13,104	17,652	57,572	33,041	120,174
Gleichen	121	548	124	650	150	600	170	879	236	1,153	237	1,121	1,038	4,951	1,933	11,351
Halco	62	52	60	29	73	36	106	130	191	182	165	165	616	754	1,162	1,162
High Prairie	4,281	9,985	4,222	10,568	4,149	10,631	4,347	10,884	3,966	9,205	4,278	12,059	25,243	63,332	49,096	124,877
Lethbridge	25	83	25	90	169	110	181	103	168	92	60	80	628	558	691	682
Milk River	2	22	1	16	9	22	15	29	21	31	12	22	142	67	210	210
Pakwaki	414	847	403	849	342	864	348	1,232	666	735	1,251	1,486	3,424	6,013	5,707	11,446
Pembina	207	546	234	524	234	588	208	655	214	648	128	446	1,225	3,407	2,209	6,602
Redcliff	32	4	33	4	59	28	69	72	202	74	187	187	593	369	1,322	637
Rochester	252	14	481	16	527	20	619	36	693	32	775	22	3,347	140	5,939	286
Sheerness	192	259	69	24	765	624	2,171	371	7,097	232	2,526	269	12,820	1,779	13,890	3,474
Tofield	851	23	820	38	1,319	39	891	76	1,468	211	1,267	241	6,616	628	13,394	1,177
Wetaskiwin	... ... 24	80 ... 6	... ... 16	100 ... 3	... ... 16	... ... 16	100 ... 10	... ... 10	... ... 10	7 ... 10	... ... 10	66 ... 66	... ... 66	580 ... 154	154 ... 154	
Total	19,373	55,853	20,835	62,463	22,342	63,423	24,764	67,400	30,097	57,157	27,904	72,926	135,315	379,222	260,737	747,374

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total to June	
	Above Ground	Below Ground	Above Ground	Below Ground										
Coalspur	9,865	7,317	10,013	7,141	10,730	7,801	9,207	5,866	9,165	5,185	9,409	5,578	58,389	38,888
Pekisko	75	291	73	232	77	273	62	92	53	201	51	391	1,274	1,274
Pincher Creek	14	18	9	18	7	14	2	2	8	.....	12	52	52	52
Prairie Creek .....	.....	2,266	891	2,347	965	2,316	803	1,718	846	1,710	857	1,245	5,246	11,602
Saunders	884	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	10,838	9,392	10,986	9,738	11,770	10,404	10,074	7,678	10,072	7,096	10,329	7,008	64,078	51,816

BITUMINOUS FIELD

Areas	SUMMARY													
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade	2,810	3,872	2,677	3,947	2,921	4,338	2,799	4,023	2,815	3,942	2,948	4,116	16,970	24,238
Crownnest	11,754	31,354	11,619	30,818	13,354	37,960	11,935	33,149	11,784	32,691	17,298	28,347	77,724	194,319
Highwood	5,887	14,139	5,490	15,065	6,428	15,478	6,291	13,547	6,058	13,163	6,756	13,345	36,910	84,737
Mountain Park	4,055	5,446	4,324	5,381	4,409	5,878	4,024	5,363	3,769	4,995	4,161	5,282	24,682	32,545
Total	24,506	54,811	24,116	55,411	27,112	63,654	25,049	56,082	24,346	54,791	31,163	51,090	156,286	335,839

SUB-BITUMINOUS FIELD

Areas	July		August		September		October		November		December		July to Dec.		Total for year 1943	
	Above Ground	Below Ground	Above Ground	Below Ground												
Coalspur	9,304	5,468	8,913	6,139	8,666	6,069	9,133	6,624	8,725	4,438	8,922	7,272	53,663	36,010	112,052	74,898
Pekisko	55	199	52	175	50	162	49	194	49	212	37	147	292	1,089	683	2,363
Pincher	10	87	5	140	175	195	20	253	26	26	26	26	72	124	124	124
Prairie Creek	87	74	162	140	175	197	197	199	251	151	276	971	1,189	971	1,189	1,189
Saunders	838	1,933	797	1,938	805	1,829	1,834	1,834	634	1,481	780	1,901	4,654	1,0916	9,300	22,518
Total	10,294	7,674	9,929	8,392	9,701	8,255	10,179	8,925	9,633	6,408	9,916	9,622	59,652	49,276	123,730	101,092

BITUMINOUS FIELD

Areas	July		August		September		October		November		December		July to Dec.		Total for year 1943	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade	2,929	4,029	2,778	3,621	2,924	4,068	2,936	4,190	2,548	2,866	3,157	4,230	17,272	23,004	34,242	47,242
Crownest	13,451	34,815	13,369	33,429	13,509	33,191	12,675	32,190	10,460	23,581	31,964	76,538	189,170	154,262	383,489	
Mountain Park	5,957	14,295	6,090	14,014	5,981	13,473	6,349	13,895	4,966	9,827	6,601	14,304	35,944	79,808	72,854	164,545
Nordegg	4,372	4,758	4,428	4,906	4,247	4,891	3,918	4,912	3,920	4,195	4,217	4,868	25,102	28,530	49,784	61,075
Total	26,709	57,897	26,665	55,970	26,661	55,623	25,878	55,187	21,894	40,469	27,049	55,366	154,856	320,512	311,142	656,351

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS

Areas	July		August		September		October		November		December		July to Dec.		Total for year 1943	
	Above Ground	Below Ground	Above Ground	Below Ground												
Domestic	19,373	55,853	20,835	62,463	22,342	63,423	24,764	67,400	30,097	57,157	27,904	72,926	145,315	379,222	260,737	747,374
Sub-Bituminous	10,294	7,674	9,929	8,392	9,711	8,255	10,179	8,925	9,633	6,408	9,916	9,622	59,652	49,276	123,730	101,092
Bituminous	26,709	57,897	26,665	55,970	26,661	55,623	25,878	55,187	21,894	40,469	27,049	55,366	154,856	320,512	311,142	656,351
Total	56,376	121,424	57,429	126,825	58,704	127,301	60,821	131,512	61,624	104,034	64,869	137,914	359,823	749,010	695,609	1,504,817

AMOUNT OF MINE TIMBER USED DURING THE YEAR

DOMESTIC COAL FIELD

Areas	Round Timber, linear feet	Lumber, B.M. feet	Ties, linear feet	Lagging, linear feet	Slabs, cords	Sprags
Ardley	28,345					
Big Valley	12,620					
Brooks	23,053					
Camrose	343,443					
Carbon	212,363			2,000		
Castor	161,891					
Champion	63,600					
Drumheller	7,233,338		183,963	80,000	72	
Edmonton	2,595,989		9,400			21½
Gleichen	128,390					
Halcourt	2,390			1,500		
High Prairie	1,200					
Lethbridge	1,014,834	36,820	13,253			
Milk River	8,400					
Pakowki	4,320					
Pembina	183,526					
Redcliff	73,926					
Rochester	1,360					
Sheerness	2,000					
Taber	35,000					
Tofield	12,656					
Wetaskiwin	5,700					
Total	12,148,344	36,820	206,616	83,500	93½	

SUB-BITUMINOUS COAL FIELD

Coalspur	319,224	85,360	3,000		60	
Pekisko	23,268					
Pincher	1,200	1,552			2	
Prairie Creek	11,100		2,850			
Saunders	357,651		71,000	86,960		
Total	712,443	86,912	76,850	86,960	62	

BITUMINOUS COAL FIELD

Cascade	419,412			14,315		
Crowsnest	3,329,315	1,383,109		2,289,246		
Mountain Park	1,021,007	539,200			1,120	
Nordegg	1,094,782					
Total	5,864,516	1,922,309		2,303,561	1,120	16,790

PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Portable Electric Lamps, Edison Cap Type	2,530	2,481	2,521	2,634	2,556	2,792	2,310	2,300	2,148	2,123	2,071	2,126	2,051	2,259
Portable Electric Lamps, Wheat Cap .....	.....	.....	66	66	.....	66	.....	58	104	31	31	30	34	40
Portable Electric Lamps, Wolfe Cap Type	171	160	174	242	191	244	308	244	95	177	207	232	215	209
Safety Lamps, Wolfe Flame Type .....	.....	.....	3	3	.....	3	.....	4	26	27	48	25	26	24
Total	2,701	2,707	2,761	2,879	2,813	3,039	2,618	2,606	2,373	2,395	2,357	2,413	2,326	2,532

PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD

	184	387	350	357	453	275	297	372	369	449	430	580	561	578
Portable Electric Lamps, Edison Cap Type	25	51	59	39	46	39	38	45	39	41	45	44	32	21
Total	209	438	409	396	499	314	335	417	428	490	475	624	593	599

PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD

	3,458	4,458	3,005	2,922	2,638	2,743	2,607	2,788	2,745	2,517	2,712	3,119	3,290	3,126
Portable Electric Lamps, Edison Cap Type	20	7	.....	.....	20	.....	25	.....	25	.....	319	255	268	284
Portable Electric Lamps, Wheat Electric Cap Type	345	353	337	318	329	324	327	321	319	255	268	284	247	238
Total	3,823	4,818	3,342	3,240	2,987	3,067	2,959	3,134	3,089	2,772	2,980	3,403	3,537	3,364

QUANTITY OF EXPLOSIVES USED IN POUNDS FOR BLASTING COAL:
DOMESTIC COAL FIELD

Areas	Names of Explosives										Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 14	CXL-IYE	Cardox	Stopetite 40%	Dynamite 40%	Stamping Powder	Loose Black	Lump Kol Pellet	
Ardley	5,511	400	.....	.....	.....	.....	.....	.....	.....	75	5,986
Big Valley	2,700	.....	200	.....	.....	.....	.....	.....	.....	.....	2,900
Brooks	8,850	75	25	.....	.....	.....	.....	.....	.....	.....	8,950
Camrose	.....	1,850	.....	.....	.....	.....	.....	.....	.....	.....	1,850
Carbon	10,200	1,100	270	.....	.....	.....	.....	.....	.....	4,800	16,370
Castor	11,050	.....	.....	.....	.....	.....	.....	.....	.....	790	11,840
Champion	5,700	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,700
Drumheller	133,996	3,750	78,964	1,500	16,162	450	.....	.....	19,420	254,242	
Edmonton	7,954	7,050	19,410	500	.....	.....	.....	150	.....	2,300	37,364
Gleichen	4,800	.....	253	.....	.....	.....	.....	100	.....	1,300	6,353
Halcourt	400	.....	.....	.....	.....	.....	.....	75	.....	150	650
High Prairie	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	105
Lethbridge	4,800	14,854	28,858	.....	76,900	.....	.....	.....	.....	.....	125,412
Milk River	1,350	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,350
Pakowki	75	50	.....	.....	.....	.....	.....	.....	.....	.....	125
Pembina	2,600	.....	550	.....	.....	.....	.....	.....	.....	650	3,800
Redcliff	5,160	.....	1,550	.....	.....	.....	.....	175	.....	.....	6,710
Rochester	75	.....	.....	80	.....	.....	.....	.....	.....	.....	330
Sheerness	70	.....	36	.....	.....	.....	.....	750	300	.....	1,156
Taber	1,055	.....	50	.....	.....	.....	.....	75	.....	650	1,755
Tofield	300	215	2,185	.....	.....	.....	.....	11,050	.....	.....	13,825
Wetaskiwin	.....	.....	600	.....	.....	.....	.....	.....	.....	.....	600
Total	204,076	31,944	132,951	2,080	93,062	450	75	500	11,800	30,435	507,373

SUB-BITUMINOUS COAL FIELD

Areas	Names of Explosives										Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 14	30% Polar Forcite	35% Polar Forcite	60% Polar Forcite	60% Polar Forcite	60% Polar Forcite	60% Dynamite		
Coalspur	.....	82,927	.....	.....	25,530	46,900	.....	150	100	155,607	
Pekisko	.....	.....	6,250	.....	.....	.....	.....	.....	.....	6,250	
Pincher	.....	.....	63	.....	.....	.....	.....	.....	.....	63	
Prairie Creek	500	1,250	10,029	.....	.....	.....	.....	.....	.....	.....	1,750
Saunders	4,200	.....	.....	.....	.....	.....	.....	.....	.....	.....	14,229
Total	4,700	84,177	16,342	25,530	46,900	.....	150	100	.....	177,899	

BITUMINOUS COAL FIELD

Areas	Names of Explosives				Total
	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 14	30% Polar Forcite	
Cascade	59,050	.....	55	.....	59,105
Crowsnest	98,909	.....	.....	.....	98,909
Mountain Park	4,450	81,458	.....	1,400	87,308
Total	162,409	81,458	55	1,400	245,322

THE MINES BRANCH

Number of tons of coal produced per pound of Explosives used for blasting coal:
 DOMESTIC COAL FIELD

Areas	Number of tons of coal mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley	10,239	5,986	1.71
Big Valley	12,836	2,900	4.43
Brooks	30,381	8,950	3.39
Camrose	63,834	1,850	34.50
Carbon	68,391	16,370	4.18
Castor	59,764	11,840	5.05
Champion	11,776	5,700	2.06
Drumheller	1,838,738	254,242	7.23
Edmonton	457,002	37,364	12.23
Gleichen	21,369	6,353	3.36
Halcourt	1,873	650	2.88
High Prairie	191	105	1.82
Lethbridge	579,234	125,412	4.62
Milk River	2,634	1,350	1.95
Pakowki	419	125	3.35
Pembina	53,611	3,800	14.11
Redcliff	28,165	6,710	4.20
Rochester	7,287	330	22.08
Sheerness	58,933	1,156	50.98
Taber	20,596	1,755	11.74
Tofield	85,313	13,825	6.17
Wetaskiwin	3,272	600	5.45
Whitecourt	179	.....	.....
Total.....	3,416,037	507,373	6.73

SUB-BITUMINOUS COAL FIELD

Coalspur	713,082	155,607	4.58
Pekisko	11,802	6,250	1.89
Pincher	451	63	7.16
Prairie Creek	1,828	1,750	1.04
Saunders	64,789	14,229	4.55
Total.....	791,952	177,899	4.45

BITUMINOUS COAL FIELD

Cascade	343,476	59,105	5.81
Crowsnest	1,962,557	98,909	19.84
Mountain Park	843,411	87,308	9.66
Nordegg	320,549	.....	.....
Total.....	3,469,993	245,322	14.14

Estimated number of shots fired for blasting coal:

DOMESTIC COAL FIELD

Areas	Electric Detonators	Electric Squibs	Fuse	Squibs	Cardox Heaters	Total
Ardley .....	.....	.....	5,420	.....	.....	5,420
Big Valley .....	.....	.....	1,080	.....	.....	1,080
Brooks .....	.....	95	.....	4,425	.....	4,520
Camrose	4,300	.....	150	.....	.....	4,450
Carbon	28	.....	21,743	1,100	.....	22,871
Castor .....	.....	.....	12,100	1,334	.....	13,434
Champion .....	.....	.....	3,325	3,700	.....	7,025
Drumheller	125,956	51,552	78,448	.....	6,465	262,421
Edmonton	19,285	1,247	31,980	400	.....	52,912
Gleichen .....	.....	.....	.....	7,800	.....	7,800
Halcourt .....	.....	.....	750	125	.....	895
High Prairie .....	.....	.....	120	.....	.....	120
Lethbridge	77,670	.....	780	830	23,178	102,458
Milk River .....	.....	.....	1,000	1,750	.....	2,750
Pakowki .....	.....	.....	100	.....	.....	100
Pembina	5,100	300	1,000	.....	.....	6,400
Redcliff	1,640	.....	.....	7,000	.....	8,640
Rochester .....	.....	.....	380	.....	.....	380
Sheerness	68	.....	845	.....	.....	913
Taber .....	.....	.....	685	1,980	.....	2,665
Tofield	100	.....	5,057	.....	.....	5,157
Wetaskiwin .....	.....	.....	600	.....	.....	600
Total	234,147	53,099	165,658	30,444	29,643	512,991

SUB-BITUMINOUS COAL FIELD

Coalspur	77,462	.....	.....	.....	.....	77,462
Pekisko	5,700	.....	.....	.....	.....	5,700
Pincher	113	.....	.....	.....	.....	113
Prairie Creek	2,000	1,000	.....	.....	.....	3,000
Saunders	12,064	1,500	.....	.....	.....	13,564
Total	97,339	2,500	.....	.....	.....	99,839

BITUMINOUS COAL FIELD

Cascade	78,978	.....	.....	.....	.....	78,978
Crowsnest	106,660	106,660
Mountain Park	73,602	73,602
Total	259,240	259,240

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Number of miss-fire shots recorded in blasting coal in the Province:

DOMESTIC COAL FIELD

Areas	CO ₂ Heaters	Electric Deton- ators	Electric Squibs	Squibs	Fuse	Total
Ardley .....	.....	.....	.....	.....	32	32
Big Valley .....	.....	.....	.....	.....	4	4
Carbon .....	.....	.....	.....	.....	3	3
Castor .....	.....	.....	.....	15	34	49
Champion .....	.....	.....	.....	.....	1	1
Drumheller	60	14	57	.....	16	147
Edmonton .....	.....	3	.....	2	41	46
Gleichen .....	.....	.....	.....	.....	22	22
High Prairie .....	.....	.....	.....	.....	4	4
Lethbridge	185	5	.....	2	1	193
Pembina .....	.....	.....	.....	1	.....	1
Sheerness .....	.....	.....	.....	.....	6	6
Tofield .....	.....	.....	.....	.....	88	88
Total	245	22	58	19	252	596

SUB-BITUMINOUS COAL FIELD

Coalspur .....	.....	7	.....	.....	.....	7
Pekisko .....	.....	5	.....	.....	.....	5
Prairie Creek .....	.....	2	12	.....	.....	14
Saunders .....	.....	7	3	.....	.....	10
Total .....	.....	21	15	.....	.....	36

BITUMINOUS COAL FIELD

Cascade .....	.....	2	.....	.....	.....	2
Crowsnest .....	.....	29	.....	.....	.....	29
Mountain Park .....	.....	5	.....	.....	.....	5
Total .....	.....	36	.....	.....	.....	36

Quantity of Explosives used in pounds for blasting rock in Coal-mines in the Province.

Areas	Names of Explosives										Total			
	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 14	Dynamite 40%	Stoپete 60%	Dynamite 60%	CXL-TITE	Stumpfing Powder	Polar Force 30%	Polar Force 40%	Polar Force 60%		
Cannrose	38	60	4	1,000	3,700	4	1,098
Carbon	225	8	3,700	
Cascade	50	640	1,800	7,000	1,850	14,100	8	
Castor	.....	.....	.....	.....	8,536	.....	.....	16,114	6,142	.....	.....	915
Champion	100	16,929	1,101	1,400	2,050	9,700	1,750	.....	1,750	.....	.....	24,650
Champur	.....	553	1,200	.....	.....	.....	.....	.....	.....	.....	.....	24750
Crownspur	.....	25	.....	.....	.....	.....	.....	50	.....	.....	.....	37,422
Crownwest	2,223	2,793	.....	.....	.....	.....	100	.....	15,775	.....	.....	3,503
Dumbreller	.....	.....	.....	.....	.....	.....	350	.....	350	.....	.....	.....
Dunton	90	.....	.....	200	.....	.....	.....	75	.....	.....	.....	25
Fleichen	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,116
Jaclourt	100	1,850	39	25	.....	.....	.....	.....	.....	.....	.....	350
Lethbridge	300	.....	150	.....	.....	.....	60	.....	.....	9,350	.....	165
Mountain Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100
Nordegg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Pekisko	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,940
Pembina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
Pincher	90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,800
Redcliff	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
Redcliffs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	191,400
Sheerness	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tafer	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitecourt		
Total	228	20,285	7,198	8,725	2,425	2,050	10,340	44,231	118	1,800	16,350	1,850		

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Estimated number of shots fired for blasting rock in Coal-mines in the Province:

Areas	Electric Deton- ators	Electric Squibs	Fuse	Total
Camrose .....	.....	.....	8	8
Carbon	7,200	.....	1,236	1,236
Cascade .....	.....	.....	.....	7,200
Castor .....	.....	.....	16	16
Champion	510	.....	240	750
Coalspur	3,014	.....	400	3,414
Crowsnest	18,500	.....	.....	18,500
Drumheller	28,393	.....	18,064	46,457
Edmonton	2,900	.....	1,172	4,072
Gleichen .....	.....	.....	12	12
Halcourt .....	.....	.....	80	80
Lethbridge	8,696	.....	.....	8,696
Mountain Park	22,340	.....	.....	22,340
Nordegg	535	.....	.....	535
Pekisko	100	.....	.....	100
Pembina	255	.....	3	258
Pincher	10	.....	.....	10
Redcliff .....	.....	.....	38	38
Rochester .....	.....	.....	.....	.....
Saunders	1,480	80	.....	1,560
Sheerness	26	10	.....	36
Taber	3,381	.....	415	3,796
Whitecourt .....	.....	.....	40	40
 Total	97,340	90	21,724	119,154

Number of miss-fire shots recorded in blasting rock in Coal-mines in the Province:

Carbon .....	.....	.....	3	3
Champion .....	.....	.....	1	1
Crowsnest	9	.....	.....	9
Lethbridge	2	.....	.....	2
Mountain Park	9	.....	.....	9
Sheerness	1	.....	.....	1
Whitecourt .....	.....	.....	8	8
 Total	21	.....	12	33

ELECTRICITY

The rules for the installation and use of electricity in or about mines requires a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the return received from the different mines, electricity was used in 69 different mines in 1943. A summary of these returns regarding the horse-power of electrical apparatus in use is given below.

Areas	No. of mines using Electricity	Horse-power of electrical apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Big Valley	1	13	45	58
Camrose	2	28	17 $\frac{1}{2}$	45 $\frac{1}{2}$
Carbon	4	134	231 $\frac{1}{2}$	365 $\frac{1}{2}$
Cascade	1	1,140	100	1,240
Coalspur	4	1,180 $\frac{1}{2}$	795 $\frac{1}{2}$	1,976
Crowsnest	5	15,210	2,357 $\frac{1}{2}$	17,567 $\frac{1}{2}$
Drumheller	21	3,844 $\frac{1}{2}$	5,615	9,459 $\frac{1}{2}$
Edmonton	9	600 $\frac{1}{2}$	1,098	1,698 $\frac{1}{2}$
Gleichen	2	13	6 $\frac{1}{2}$	19 $\frac{1}{2}$
Lethbridge	6	2,167 $\frac{3}{4}$	1,365	3,532 $\frac{3}{4}$
Mountain Park	3	2,649	1,894	4,543
Nordegg	2	663	107	770
Pembina	2	89	75	164
Pincher	1	64 $\frac{1}{4}$	.....	64 $\frac{1}{4}$
Prairie Creek	1	75	28 $\frac{1}{2}$	103 $\frac{1}{2}$
Redcliff	2	130	90	220
Saunders	2	95	183	278
Taber	1	10	43	53
 Total	 69	 28,106 $\frac{1}{2}$	 14,052	 42,158 $\frac{1}{2}$

COAL-CUTTING MACHINERY

Areas	No. of machines operated by		Tons of coal mined by	
	Electricity	Compressed air	Electricity	Compressed air
Big Valley	1	1	11,233	1,100
Carbon	6	3	50,083	1,990
Cascade .....	.....	9	.....	78,033
Castor .....	.....	2	.....	8,460
Coalspur .....	.....	3*	.....	.....
.....	.....	24	.....	252,968
Crowsnest .....	.....	158*	.....	865,440
Drumheller	101	1	1,954,360	500
Edmonton	20	3	312,289	10,978
Gleichen .....	.....	1	.....	6,130
Lethbridge	23	.....	574,789	.....
Milk River .....	.....	1	.....	1,295
Pembina	1	.....	6,000	.....
Prairie Creek	1	.....	600	.....
Redcliff	3	.....	27,867	.....
Saunders .....	.....	9	.....	64,789
Taber	1	1	8,504	2,039
 Total	 157	 216	 2,945,725	 1,293,722

*Compressed air operated picks, 161.

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ACCIDENTS

Summary table showing Accidents occurring in Mines from 1906 to 1943 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	60,250
1907	1,834,745	19	18	68	96,565	101,930	26,981
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61a	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,658
1912	3,446,349	21	38	58	164,111	90,693	59,419
1913	4,306,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209b	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,638,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,721	92,769	237,488
1922	5,976,432	35	38	35	170,755	157,274	170,755
1923	6,866,923	22	44	10	312,133	156,066	686,692
1924	5,203,713	21	42	40	247,796	123,898	130,093
1925	5,883,394	30	59	56	196,113	99,718	105,060
1926	6,508,908	39c	67	119	166,398	97,148	54,696
1927	6,936,780	26	76	115	266,799	91,273	60,320
1928	7,334,179	28	71	122	261,935	103,298	60,166
1929	7,147,250	31	69	98	230,556	103,583	72,931
1930	5,755,911	11	69	97	523,265	83,419	59,339
1931	4,563,309	16	75	73	285,207	60,844	62,511
1932	4,867,984	11	61	96	442,544	79,803	50,708
1933	4,714,784	6	60	109	785,797	78,580	43,255
1934	4,748,848	15	68	70	316,589	69,836	67,840
1935	5,462,973	35d	66	113	156,085	82,772	48,352
1936	5,696,375	11	79	101	517,852	72,106	56,400
1937	5,551,682	20	72	73	277,584	77,107	76,050
1938	5,230,025	21e	72	135	249,049	72,639	38,741
1939	5,518,105	17	57	180	324,594	96,809	30,657
1940	6,205,088	13	79	97	477,314	78,545	63,970
1941	6,970,064	48f	78	142	145,209	89,360	49,084
1942	7,754,279	17	92	148	456,134	84,285	52,393
1943	7,677,982	25g	73	152	307,119	105,178	50,513
Total	193,073,876	1,028	2,170	2,894	187,815	88,974	66,715

- a. Including thirty-one deaths caused by the Bellevue Explosion.
- b. Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.
- c. Including ten deaths caused by the McGillivray Creek Coal & Coke Co., Ltd. Explosion.
- d. Including sixteen deaths caused by the explosion at the Lethbridge Collieries Ltd., at Coalhurst.
- e. Including five deaths caused by the explosion at Hinton Collieries Limited.
- f. Including four deaths caused by an explosion at North American Collieries, Ltd., Western Crown Mine, and twenty-nine deaths caused by an explosion at Brazeau Collieries, Ltd., Nordegg.
- g. Including four deaths caused by an explosion at the Kerralta Coal Co., Lethbridge.

ACCIDENTS DURING 1943, CLASSIFIED ACCORDING TO THE COAL FIELDS IN WHICH THEY OCCURRED

Domestic	3,416,037	11	43	107	310,548	79,442	31,925
Sub-Bituminous	791,952	2	6	7	395,976	131,992	127,421
Bituminous	3,469,993	12	12	38	289,166	144,583	91,315

Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1915-1943:

Year	Tonnage	Total No. of men employed	Fatal Accidents		Serious Accidents		Slight Accidents		Total	
			No.	Per 1,000,000 tons	No.	Per 1,000,000 men employed	No.	Per 1,000,000 tons	No.	Per 1,000,000 men employed
1915	3,434,891	6,445	18	5.24	2.79	9.63	33	9.63	5.12	84
1916	4,538,604	7,570	20	4.31	2.64	10.99	6.74	7.33	4.49	105
1917	4,863,414	8,310	24	4.93	2.88	12.75	7.46	8.02	4.69	125
1918	6,148,620	8,774	22	3.57	2.51	6.0	6.84	7.78	12.52	159
1919	5,022,412	7,573	21	4.18	2.78	5.6	11.15	7.39	10.75	119
1920	6,908,923	8,688	29	4.20	2.99	5.3	7.81	3.8	5.50	120
1921	5,937,195	10,010	21	3.54	2.10	6.4	10.78	3.9	4.23	120
1922	5,976,432	8,547	35	5.86	4.09	6.36	4.45	3.5	4.09	108
1923	6,866,923	9,927	22	3.19	2.21	4.4	6.39	4.43	5.86	108
1924	5,203,713	7,317	21	4.03	2.86	5.42	8.07	5.74	10.4	103
1925	5,883,394	8,774	30	5.10	3.40	5.9	10.03	3.42	5.6	145
1926	6,508,908	8,763	39c	5.99	4.99	6.67	10.29	7.65	11.19	119
1927	6,936,780	9,016	26	3.75	2.88	7.6	10.96	8.43	11.5	115
1928	7,334,179	9,496	28	3.82	2.96	7.1	9.68	7.48	12.22	12.85
1929	7,147,250	9,579	31	4.34	3.24	6.9	9.65	7.21	9.8	12.85
1930	5,755,911	8,889	11	1.91	1.24	69	11.99	7.76	13.71	198
1931	4,563,309	8,070	16	3.51	1.98	75	16.44	9.27	73	17.20
1932	4,867,984	7,837	11	2.26	1.40	61	12.53	7.78	12.53	16.00
1933	*4,714,784	8,042	6	1.27	1.45	60	12.73	7.46	10.99	19.72
1934	*4,748,848	7,863	15	3.14	1.91	68	14.31	8.65	14.74	19.72
1935	*5,462,973	7,824	35d	6.40	4.47	66	12.08	8.44	11.13	20.68
1936	*5,696,375	8,110	11	1.93	1.36	79	13.87	9.74	10.1	17.73
1937	5,551,683	7,836	20	3.60	2.55	72	12.97	9.19	13.15	16.65
1938	*5,230,025	7,411	21e	4.01	2.83	72	13.76	9.71	13.26	228
1939	5,518,105	7,456	17	3.08	2.27	57	10.33	7.64	18.0	24.14
1940	*6,205,088	7,416	13	2.10	1.76	79	12.73	10.65	9.7	32.60
1941	*6,970,064	7,714	48f	6.89	6.22	78	11.19	10.11	14.2	20.37
1942	*7,154,279	8,040	17	2.19	1.82	78	11.86	11.44	14.8	18.41
1943	*7,677,982	8,636	25	3.26	2.89	73	9.51	8.45	152	17.60

c. Including 10 deaths by explosion at McGillivray Creek Coal & Coke Co., Ltd., Coleman.

d. Including 16 deaths by explosion at Lethbridge Collieries Ltd., Coalhurst.

e. Including 5 deaths by explosion at Hinton Collieries Ltd., Hinton.

f. Including 4 deaths by explosion at North American Collieries, Ltd., East Coulee, and 29 deaths by explosion at Brazeau Collieries, Ltd., Nordegg.

*Output does not include coal produced by farmers under permit

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Number of tons produced per accident:

DOMESTIC COAL FIELD

Areas	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley	10,239	19	.....	.....	.....	.....
Big Valley	12,836	20	.....	.....	.....	.....
Brooks	30,381	19	.....	.....	.....	.....
Camrose	63,834	86	.....	.....	.....	.....
Carbon	68,391	100	.....	.....	34,195	34,195
Castor	59,764	101	.....	.....	59,764	59,764
Champion	11,776	25	.....	.....	.....	.....
Drumheller	1,838,738	2,087	459,684	91,936	35,360	24,193
Edmonton	457,002	639	228,501	57,125	50,778	24,052
Gleichen	21,369	51	.....	.....	.....	.....
Halcourt	1,873	10	.....	.....	.....	.....
High Prairie	191	3	.....	.....	.....	.....
Lethbridge	579,234	658	144,808	414,231	.....	13,791
Milk River	2,634	6	.....	.....	.....	.....
Pakowki	419	2	.....	.....	.....	.....
Pembina	53,611	70	.....	.....	.....	.....
Redcliff	28,165	36	.....	.....	.....	.....
Rochester	7,287	10	.....	.....	.....	.....
Sheerness	58,933	29	.....	.....	.....	.....
Taber	20,596	59	20,596	20,596	20,596	6,865
Tofield	85,313	58	.....	.....	.....	.....
Wetaskiwin	3,272	5	.....	.....	.....	.....
Whitecourt	179	1	.....	.....	.....	.....
Total	3,416,037	4,094	136,641	46,795	22,474	13,664

SUB-BITUMINOUS COAL FIELD

Coalspur	713,082	654	356,541	142,616	101,868	50,934
Pekisko	11,802	13	.....	11,802	.....	11,802
Pincher	451	2	.....	.....	.....	.....
Prairie Creek	1,828	116	.....	.....	.....	.....
Saunders	64,789	17	.....	.....	.....	.....
Total	791,952	802	31,678	10,848	5,210	3,168

BITUMINOUS COAL FIELD

Cascade	343,476	309	343,476	.....	.....	343,476
Crowsnest	1,962,557	2,135	327,092	140,182	2,180,617	67,674
Mountain Park	843,411	876	.....	.....	.....	.....
Nordegg	320,549	420	320,549	80,135	64,109	32,054
Total	3,469,993	3,740	138,800	47,534	22,829	13,880

SUMMARY

Domestic	3,416,037	4,094	310,548	79,442	31,925	21,217
Sub-Bituminous	791,952	802	395,976	131,992	127,421	52,796
Bituminous	3,469,993	3,740	289,166	144,583	91,315	46,891
Total	7,677,982	8,636	307,119	105,177	50,513	30,712

Classification of Accidents according to output of mines which produced during the year 1943:

	Under 1,000 tons	From 1,000 to 5,000 tons	From 5,000 to 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 150,000 tons	From 150,000 to 200,000 tons	From 200,000 to 300,000 tons	From 300,000 tons	Total
Fatal .....	.....	.....	5	6	2	3	2	6	6	25
Serious .....	.....	2	4	9	8	10	4	28	11	73
Slight	2	2	2	11	16	20	57	6	20	152
Total	2	2	.....	.....	.....	.....	.....	93	37	250

Tons of coal produced per accident:

	.....	29,695	664,732	374,762	213,815	448,050	337,937	396,117	307,118
Fatal .....	.....	37,119	110,788	74,952	64,144	224,025	72,415	216,064	105,178
Serious	12,764	73,919	74,239	73,859	93,690	149,578	149,350	34,366	50,513	
Slight .....	.....	.....	.....	.....	.....	.....	.....	118,835	.....
Total	12,764	73,919	13,498	41,545	37,476	11,253	74,675	21,802	64,235	30,711

FATAL ACCIDENTS

John Ozymko, driver, age 40, on January 7th, in the mine operated by the Brazeau Collieries, Ltd., Nordegg. While he was bringing out a loaded trip on 4 left level, 1 slope, No. 3 seam, he fell off the trip and was found dead, under a loaded car.

John Blake, miner, age 55, on January 30th, in the mine operated by the Canmore Mines, Ltd., Canmore. He was struck by rock falling from the roof while working in No. 6 pillar, 15 slope, Morris seam, causing fatal injuries.

Vincenty Cieslak, miner, age 43, on February 27th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., Coleman. He was struck by rock falling from the roof, while working at 2nd crosscut, 48 pillar, 4 level, No. 2 seam, causing instant death.

James Radford, assistant overman, age 63, on March 2nd, in the mine operated by the West Canadian Collieries, Ltd., Bellevue. While riding on locomotive on 8 level gangway, the trip went off the track crushing him between the first car and the locomotive, causing fatal injuries.

Mike Novak, overman, age 56, on March 4th in the mine operated by the Oliver Coal Mines, Taber. He was struck by rock falling from the roof at the face of back entry, causing fatal injuries to his skull.

John Snarski, miner, age 58, on April 10th, in the mine operated by the Rosedale Collieries, Ltd., Rosedale. He was struck by rock falling from the roof, while working in No. 4 room, 8 west entry, 2nd south, causing fatal injuries.

Frank Naccaroto, miner, age 54, on May 13th, in the mine operated by the McLeod River Hard Coal Co. (1941), Ltd., Mercoal. He was tamping a bench shot in No. 3 room, east A level, when he was struck by coal falling from the working face, causing instant death.

Frederick A. Bealle, fireboss, age 55, and John A. Smith, miner, age 52, on July 16th, in the mine operated by the Cadomin Coal Co., Ltd., Cadomin. While working between Nos. 3 and 4 raises on coal counter, 8 panel, shaft mine, they were asphyxiated by a large quantity of gas being released by a bump in No. 8 panel.

Dan Babala, miner, age 48, on August 4th, in the mine operated by the Luscar Coals, Ltd., Luscar. While releasing coal from battery in 27 angle, prospect mine, he was washed into the chute by wet slack coal, causing death by suffocation.

S. A. B. Crabb, overman, age 68, W. B. King, electrician, age 45, J. Zubrey, miner, age 33, and J. Pinte, miner, age 50, on August 9th, in the mine operated by the Kerralta Coal Company, Lethbridge. While repairing a coal-cutting machine in No. 8 room, they were fatally injured by an explosion of Methane gas.

John Vanjoff, locomotive driver, age 20, on August 13th, in the mine operated by the International Coal & Coke Co., Ltd., Coleman. While spotting cars at No. 83 chute, he was caught between the locomotive and the low side rib of the entry, causing fatal injuries.

Bertram Brown, driver, age 36, on October 2nd, in the mine operated by the Murray Collieries, Ltd., East Coulee. While driving on 3 N. haulage, 9 right entry, he stopped to open a door and the horse started to run. He tried to unhook the tail chain, but slipped and fell under the car, causing compression, fracture of the spine, from which he died on October 9th.

Fred Slugg, miner, age 23, on October 18th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., Coleman. He was working in 168 pillar, No. 1 level, and was buried under a large fall of rock causing fatal injuries, body recovered following day.

Robert Wilson, miner, age 46, on October 18th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., Coleman. He was working with Fred Slugg in 168 pillar, No. 1 level, and was buried by the same fall of rock.

Arthur Irwin, craneman, steam shovel, age 56, on October 20th, in the mine operated by Sterling Collieries Co., Ltd., Sterco. While working in strip pit, he was struck by the boom of the steam shovel when it turned over on its side, causing fatal injuries.

Joe Peto, timber packer, age 21, on October 21st, in the mine operated by the Hillcrest-Mohawk Collieries, Ltd., Bellevue. While attempting to get on a truck while in motion, he slipped off fender and fell under the rear wheel, causing compound fracture of right femur and injured pelvis, from the effects of which he died October 22nd.

Steve Andrusiak, underground labourer, age 26, on November 22nd, in the mine operated by the Kent Coal Co., Ltd., Edmonton. He was shovelling rock on No. 7 timber entry, and was struck by rock falling from the roof, causing internal injuries, from which he died November 27th.

Stewart Milley, mine car coupler, age 61, on November 23rd, in the mine operated by the International Coal & Coke Co., Ltd., Coleman. While lifting a car onto the track at tipple, he was struck on the head by an iron bar that was bumped by a car coming from the coal dump, causing serious head injuries, from the effects of which he died on November 25th.

Tom Chicoski, miner, age 60, on December 3rd, in the mine operated by Newcastle Collieries, Ltd., Drumheller. While loading coal in No. 2 room, 11 north 5 face, he was struck by rock falling from the roof, causing fatal injuries.

John Twardy, miner, age 41, on December 14th, in the mine operated by Dawson Coal, Ltd., Edmonton. He was timbering in No. 8 room, 11 west back entry, when he was struck by rock falling from the roof, causing his death.

Julius Neilsen, locomotive switchman, age 42, on December 29th, in the mine operated by the Murray Collieries, Ltd., East Coulee. He was riding on locomotive, and the horse was knocked down and the trip was derailed, resulting in Neilsen being pinned against the roadside timbers, causing his death.

ACCIDENTS AS THEY OCCURRED BY MONTHS DURING THE YEAR 1943:

Months	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	serious	Slight	Total	Fatal	serious	Slight	Total	
January	5	3	8	2	8	8	18	26
February	2	2	2	1	5	10	16	18
March	1	1	2	2	4	19	25	27
April	1	1	1	1	5	4	10	11
May	3	3	3	1	3	6	10	13
June	1	3	4	1	5	9	14	18
July	3	7	13	23	23
August	1	..	1	6	5	10	21	22
September	1	1	2	..	6	8	14	16
October	2	1	1	3	3	2	16	21	24
November	2	5	7	1	6	13	20	27
December	4	4	3	6	12	21	25
Total	2	11	24	37	23	62	128	213	250

ACCIDENTS OCCURRING IN THE PROVINCE ABOVE AND UNDER GROUND
DURING THE YEAR 1943:

Cause of Accident	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage		2	1	3	6	20	27	53	56
Fall of rock					7	18	12	37	37
Fall of coal					3	9	24	36	36
Loading coal							15	15	15
Loading rock							1	1	1
Chute loading					1				1
Timbering						1	9	10	10
Coal-cutting machinery						3	12	15	15
Tipple machinery		2	1	3					3
Surface machinery	1	3		4		1	3	4	8
Underground machinery							1	1	1
Box cars			1	1					1
Coupling cars			1	1			3	3	4
Spragging cars							3	3	3
Inundation					1				1
Asphyxiation by methane gas					2			2	2
Explosives						1	4	5	5
Explosion					4			4	4
Miscellaneous	1	4	20	25		8	14	22	47
Total	2	11	24	37	23	62	128	213	250

Accidents occurring in the Province above and under ground for the year 1943, classified according to the areas in which they occurred:

DOMESTIC

Area	Above Ground			Under Ground			Total Above and Under Ground	
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total
Carbon .....	...	...	...	...	...	...	2	2
Castor .....	...	1	5	6	4	19	47	1
Drumheller	1	5	5	11	2	7	4	76
Edmonton	1	2	3	6	4	13	13	19
Lethbridge	1	2	3	6	4	13	40	57
Taber	1	1	1	3	1	1	2	60
Total	4	13	17	34	11	39	94	161

SUB-BITUMINOUS

Coalspur	1	2	1	4	1	3	6	10	14
Pekisko .....	...	...	...	...	...	1	...	1	1
Total	1	2	1	4	1	4	6	11	15

BITUMINOUS

Cascade .....	...	...	...	...	1	...	...	1	1
Crowsnest	1	2	2	5	5	12	7	24	29
Nordegg	1	2	3	3	1	3	3	7	10
Mountain Park	2	6	8	16	4	4	18	26	34
Total	1	5	10	16	11	19	28	58	74

Classification of Accidents according to the Coal Fields in which they occurred:

DOMESTIC

Cause	Above Ground			Under Ground			Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	
Rope Haulage, struck by moving rope					1		1
Rope Haulage, hand caught in pulley					1		1
Rope Haulage, bumped his head while coupling rope to car					1		1
Rope Haulage, struck by rope grip					1		1
Rope Haulage, hand caught between rope and bull wheel					1		1
Rope Haulage, fell while lifting car onto track					1		1
Horse Haulage, slipped and fell under car when horse ran away					1		1
Horse Haulage, hand jammed when lifting car on track					1		1
Horse Haulage, hand, caught by moving car					1		1
Horse Haulage, slipped and fell in front of car					1		1
Horse Haulage, fell under moving car					1		1
Horse Haulage, twisted his knee while trying to stop trip of cars					1		1
Horse Haulage, slipped and fell while driving					1		1
Horse Haulage, slipped and fell between trap door and car					1		1
Horse Haulage, caught between car and timber					1		1
Horse Haulage, caught between moving cars					1		1
Horse Haulage, caught by tall chain when horse turned in wrong direction					1		1
Horse Haulage, caught between cars					1		1
Horse Haulage, car went off the track and struck him on leg					1		1
Hand Haulage, car went off track and caught his leg					1		1
Hand Haulage, car went off track and caught his foot					1		1
Hand Haulage, arm caught between moving car and roof timber					1		1
Hand Haulage, hand caught on car					1		1
Hand Haulage, piece of coal fell off car and struck his foot					4		4
Hand Haulage, hand caught between car and timber					1		1
Hand Haulage, caught between cars					1		1
Locomotive Haulage, struck by piece of coal falling from car					1		1
Locomotive Haulage, caught between car and timber					1		1
Locomotive Haulage, caught between car and roadside					2		2
Fall of rock in entry					5		5
Fall of rock in room					2		2
Fall of rock in pillar					2		2
Fall of rock on longwall face					3		3
Fall of coal in entry					1		1
Fall of coal in room					5		5
Fall of coal in pillar					1		1

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Fall of coal on entry	1	4
Loading Coal, hand jammed against side of car	1	4
Loading Coal, piece of coal fell on his foot	7	7
Loading Coal, piece of coal fell on his foot	4	4
Timbering, timber fell on foot	5	5
Timbering, struck by falling timber and rock	1	1
Timbering, struck with hammer	1	1
Coal-cutting Machinery, hand caught between clutch wheel and timber	1	1
Coal-cutting Machinery, machine jack fell on his leg	1	1
Coal-cutting Machinery, feed chain broke and struck his leg	1	1
Coal-cutting Machinery, caught in running gear	1	1
Coal-cutting Machinery, struck by machine pan when it swung out	1	1
Coal-cutting Machinery, hand caught in feed chain	1	1
Coal-cutting Machinery, caught between cutter bar and side of roadway	1	1
Coal-cutting Machinery, machine jack slipped and caught his hand	2	2
Coal-cutting Machinery, cable reel fell on his hand	1	1
Coal-cutting Machinery, hand caught between machine and roof	1	1
Coal-cutting Machinery, hand caught between machine and machine pan	1	1
Coal-cutting Machinery, machine brace fell on his foot	1	1
Coal-cutting Machinery, hand caught between ratchet and chain	1	1
Tipple Machinery, hand caught in conveyor chain	1	1
Tipple Machinery, hand caught by loader chain	1	1
Tipple Machinery, caught by drum gear of hoist when he slipped and fell	1	1
Coupling Cars, caught between cars	2	2
Spragging Cars, hand caught under wheel	2	2
Explosives, struck by Cardox Shell when it was projected from shot hole	1	1
Explosives, went back on shot when it exploded	2	2
Explosives, struck detonator of miss-shot with pick	1	1
Explosion, explosion of Methane Gas	4	4
Underground Machinery, hand caught by fan belt	1	1
Miscellaneous, slight burns by ignition of acetylene gas while opening drum of carbide in warehouse	1	1
Miscellaneous, struck by hoisting cage in shaft	1	1
Miscellaneous, fingers jammed while unloading timbers	1	1
Miscellaneous, struck by small piece of coal falling in shaft	1	1
Miscellaneous, struck by piece of flying steel	1	1
Miscellaneous, lump of coal rolled onto his arm on picking table	1	1
Miscellaneous, slipped and fell	1	1
Miscellaneous, loading coal in box car, he hurt his hand	1	1
Miscellaneous, horse stepped onto his foot	1	1
Miscellaneous, rail fell on his hand	1	1
Miscellaneous, conveyor pan fell on his foot	1	1
Miscellaneous, while carrying pump it fell on his foot	1	1
Miscellaneous, hand caught while handling timber	1	1

SUB-BITUMINOUS

BITUMINOUS

Rope Haulage, caught between cars and trap doors	1	1	1	1	1	1	1
Rope Haulage, hand caught between cars	1	1	1	1	1	1	1
Rope Haulage, slipped and fell	1	1	1	1	1	1	1
Rope Haulage, struck by moving rope	1	1	1	1	1	1	1
Rope Haulage, struck by rope when it slipped off pulley	1	1	1	1	1	1	1
Rope Haulage, knocked down when rope broke	1	1	1	1	1	1	1
Rope Haulage, arm caught in bull wheel	1	1	1	1	1	1	1
Rope Haulage, caught between cars when they went off the track	1	1	1	1	1	1	1
Rope Haulage, caught between cars	1	1	1	1	1	1	1
Rope Haulage, leg caught between bull wheel and guard	1	1	1	1	1	1	1
Rope Haulage, leg caught underneath trip of cars	1	1	1	1	1	1	1
Horse Haulage, hand caught while lifting car on track	1	1	1	1	1	1	1
Horse Haulage, hand caught between cars	1	1	1	1	1	1	1
Horse Haulage, caught between cars when they went off the track	1	1	1	1	1	1	1
Horse Haulage, caught in front of trip	1	1	1	1	1	1	1
Locomotive Haulage, crushed between locomotive and car when trip went off the track	1	1	1	1	1	1	1
Locomotive Haulage, crushed between locomotive and side of roadway	1	1	1	1	1	1	1
Box cars, caught between tractor and box car	1	1	1	1	1	1	1
Fall of rock in entry	1	1	1	1	1	1	1
Fall of rock in pillar	1	1	1	1	1	1	1
Fall of coal in room	1	1	1	1	1	1	1
Fall of coal in pillar	1	1	1	1	1	1	1
Fall of coal on entry	1	1	1	1	1	1	1
Spragging Cars, caught between cars	1	1	1	1	1	1	1
Coupling Cars, fingers jammed while coupling cars	1	1	1	1	1	1	1
Coupling Cars, foot caught between cars	1	1	1	1	1	1	1
Loading Rock, piece of rock caught his hand	1	1	1	1	1	1	1
Chute Loading, suffocated by slack coal when he was washed into the chute	1	1	1	1	1	1	1
Timbering, hand caught between timbers	1	1	1	1	1	1	1
Timbering, struck by falling timber	1	1	1	1	1	1	1
Surface Machinery, hand caught between pulley and belt	1	1	1	1	1	1	1
Surface Machinery, caught by revolving fan shaft	1	1	1	1	1	1	1
Asphyxiation by Methan Gas	1	1	1	1	1	1	1
Inundation, caught in flood when water broke in from old workings	1	1	1	1	1	1	1
Explosives, premature exploding of detonator	1	1	1	1	1	1	1
Miscellaneous, slipped and fell	1	1	1	1	1	1	1
Miscellaneous, struck by flying bar when it was hit by a moving car	1	1	1	1	1	1	1
Miscellaneous, nauseated by gaseous fumes from heated coal slack	1	1	1	1	1	1	1
Miscellaneous, caught by revolving shaft of motor	1	1	1	1	1	1	1
Miscellaneous, slipped and fell under wheel of truck	1	1	1	1	1	1	1
Miscellaneous, struck by falling timber	1	1	1	1	1	1	1
Miscellaneous, small piece of flying rock struck his eye	1	1	1	1	1	1	1
Miscellaneous, finger jammed while handling timber	1	1	1	1	1	1	1

BITUMINOUS—Continued

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	serious	Slight	Total	Fatal	Serious	Slight	Total	
Miscellaneous, timber fell on foot .....	.....	.....	1	1	.....	.....	.....	.....	1
Miscellaneous, piece of machinery fell on his foot .....	.....	.....	1	1	.....	.....	.....	.....	1
Miscellaneous, hand caught in pump motor when he slipped .....	.....	.....	1	1	.....	.....	1	1	1
Miscellaneous, fell from truck .....	.....	1	.....	1	.....	.....	.....	.....	1
Miscellaneous, struck by material on picking table .....	.....	.....	1	1	.....	.....	.....	.....	1
Miscellaneous, ringer caught between cage dog and side of cage .....	.....	.....	1	1	.....	.....	1	1	1
Miscellaneous, caught between timber trucks on surface .....	.....	.....	1	1	.....	.....	.....	.....	1
Miscellaneous, fell while working on tipple .....	.....	.....	1	1	.....	.....	.....	.....	1
Total	1	5	10	16	11	19	28	58	74
SUMMARY									
Domestic .....	.....	4	13	17	11	39	94	144	161
Sub-Bituminous	1	2	1	4	1	4	6	11	15
Bituminous	1	5	10	16	11	19	28	58	74
Total	2	11	24	37	23	62	128	213	250

Accidents during 1943, classified according to the Mine in which they occurred:
DOMESTIC COAL FIELD

DOMESTIC COAL FIELD

SUB-BITUMINOUS COAL FIELD

BITUMINOUS COAL FIELD

SUMMARY

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LIST OF PROSECUTIONS INSTITUTED UNDER THE MINES ACT, FOR THE YEAR ENDING DECEMBER 31, 1943

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
West Canadian Collieries, Ltd. (Greenhill Mine).....	Coal Bucker.....	Sleeping in the mine	Convicted	Fined \$10.00 and costs	\$ 4.00
West Canadian Collieries, Ltd. (Greenhill Mine).....	Miner.....	Did unlawfully couple up a firing cable to detonator	Convicted	Fined \$20.00 and costs	4.00
Hillcrest-Mohawk Collieries, Ltd. Acme Coal Mine (John May).....	Hoistman..... Operator & Overman.....	Smoking in the mine	Convicted	Fined \$50.00 and costs	6.00
		Did unlawfully permit underground working of said mine without same being under the control and daily supervision of an overman	Convicted	Fined \$25.00 and costs or 30 days' imprisonment	3.25
McGillivray Creek Coal & Coke Co., Ltd.	Timber packer.....	Did unlawfully have in his possession a lucifer match in the mine	Convicted	Fined \$5.00 and costs	4.00
McGillivray Creek Coal & Coke Co., Ltd.	Timberman.....	Did unlawfully have in his possession two lucifer matches	Convicted	Fined \$5.00	3.00
McGillivray Creek Coal & Coke Co., Ltd.	Mine Manager..... Overman	Failed to drill when approaching old workings..... Failed to make report of his inspection and post copy at the mine, also leaving explosives and detonators loose in mine	Convicted	Fined \$25.00	3.00
West Canadian Collieries, Ltd. (Greenhill Mine).....	Miner	Unlawfully having in his possession lucifer matches and cigarettes immediately to manager or overman a breach of the provisions of the Act, to wit, a shot-firing battery in an unlawful place in the mine	Convicted	Fined \$10.00 and costs	4.00
Luscar Coals, Ltd.	Fireboss	Had in his control detonators without being appointed in writing manager to have same	Convicted	Fined \$25.00	4.00
Luscar Coals, Ltd.	Miner	Failed to fulfill his statutory duties as overman, in knowingly allowing a shot-firing battery to remain in an unlawful place in the mine	Convicted	Fined \$25.00	4.00
Brazeau Collieries, Ltd.	Overman	Failed to provide sufficient ventilation to properly ventilate the working places of the mine	Convicted	Fined \$100.00	2.25
Hillcrest-Mohawk Collieries, Ltd.	Agent & General Manager	Commit an act likely to cause danger to himself or some other person by knocking out a set of timber	Convicted	Fined \$10.00	4.50
McGillivray Creek Coal & Coke Co., Ltd.	Miner	Riding on a loaded car without permission from the manager or overman	Convicted	Fined \$10.00	4.50

LIST OF PROSECUTIONS INSTITUTED UNDER THE MINES ACT, FOR THE YEAR ENDING DECEMBER 31, 1943—Continued

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
McLeod River Hard Coal Co. (1941), Ltd.	Timber packer	Unlawfully in possession of matches while in the mine	Convicted	Fined \$5.00	6.25
McLeod River Hard Coal Co. (1941), Ltd.	Timber packer	Unlawfully in possession of matches while in the mine	Convicted	Fined \$10.00	6.25
J. J. Hamilton Coal Co.	Miner	Had in his possession underground, smoking tobacco and matches	Convicted	Fined \$10.00	4.50
Fish Creek Mine	Miner	Fire a shot, not being the holder of a third class certificate	Convicted	Fined \$1.00	1.75
Fish Creek Mine	Overman	Failed to supervise firing of a shot	Convicted	Fined \$21.00	3.50
McLeod River Hard Coal Co. (1941), Ltd.	Loco. driver	Riding on cars on main slope without permission of the manager	Convicted	Fined \$10.00	4.25
Kerralta Coal Company	Examiner	Fire shot of explosive in the mine without finding it safe to do so contrary to Sec. 139 of The Mines Act	Convicted	Fined \$50.00 or 60 days in jail	3.50
Kerralta Coal Company	Examiner	As examiner unlawfully failed to inspect underground workings of the mine contrary to section 127 of The Mines Act	Convicted	Fined \$50.00 or 60 days in jail	.....

The following table gives particulars of mines which were in operation during the year 1943 in the Province:

LIST OF MINES

Mine No.	Operator	Address	Location	L.S.S.T.R.M.	Character of Coal	Date of	
						Opening	Abandonment
Ardley Area							
255	F. A. Straub	Alix	N.E. $1\frac{1}{4}$	5-17-38-23-4	Domestic	1910
809	J. W. Sissons	Alix	14-10-38-22-4	Domestic	1919	
969	James Blades	Deburne	Domestic	1921	
1018	Alex. J. Johnson	Ardley	3-17-38-23-4	Domestic	1922		
1135	Carl Kurp	Deburne	4-7-38-23-4	Domestic	1924		
1322	John Lynass	Alix	16-7-38-23-4	Domestic	1930		
1488	Charles O. Russell	Nevis	3-39-38-23-4	Domestic	1935		
1586	Charles & McGladrie	Ardley	4-5-35-37-22-4	Domestic	1942		
1605	Myers & Munro	Ardley	12-35-38-23-4	Domestic	1943		
1613	Wm. Barrel	Ardley	10-20-38-23-4	Domestic	1943		
Big Valley Area							
864	Big Valley Coal Company	Big Valley	E. $1\frac{1}{2}$	16-26-35-20-4	Domestic	1920	
1189	James McKinlay	Huxley	E. $1\frac{1}{2}$	13	Domestic	
1254	Robert Campkin	Lousana	14-3-34-22-4	Domestic	1924	
1376	J. A. Ginter	Perbeck	16-12-36-22-4	Domestic	1927	
			7-30-34-21-4	Domestic	1931	
Brooks Area							
1329	Kleenburn Collieries, Ltd.	Eyremore	3-16-17-17-4	Domestic	1930	
1404	Birnwel Coal, Ltd.	Eyremore	8-15-17-17-4	Domestic	1932	
Camrose Area							
241	Joe Proskow	Dinant	4-18-48-19-4	Domestic	1910		
244	Stoney Creek Collieries, Ltd.	Camrose	1-33-46-20-4	Domestic	1910		
610	L. Strilezyk	Obaton	8-10-48-18-4	Domestic	1915		
1420	Red Flame Coal Co., Ltd.	Round Hill	14-19-48-18-4	Domestic	1933		
1524	Geo. Shute & Partners	Camrose	7-48-19-4	Domestic	1937		
1603	Camrose Collieries, Ltd.	.....	Domestic	1943		
Carbon Area							
53	Spencer & Dolphin	Carbon	3-14-29-23-4	Domestic	1898		
384	Canadian Dinant Coal Co., Ltd.	Three Hills	3-36-31-24-4	Domestic	1906		
690	J. W. Ryning	Rowley	4-13-32-21-4	Domestic	1917		

THE MINES BRANCH

LIST OF MINES—Continued

Mine No.	Operator	Address	Location	L.S.S.T.R.M.	Character of Coal	Date of		
						Opening	Abandonment	Closing
710	Geo. C. Yard & Son	Trochu	E. 1/4	9-14-33-23-4	Domestic	1917	1943	
904	Peerless Carbon Collieries	Carbon		7-16-29-23-4	Domestic	1921		
921	Otto Schiender	Trochu		15-14-33-23-4	Domestic	1921		
1060	East Carbon Coal Co. (A. Fox)	Carbon	W. 1/2	12-13-7-29-22-4	Domestic	1922		
1126	C. C. Campbell	Trochu		9-29-33-22-4	Domestic	1926		
1283	Richard Bradshaw	Carbon		8-14-33-23-4	Domestic	1928		
1359	Balough Brothers	Trochu		8-13-29-23-4	Domestic	1931		
1499	Nuttall & Davidson	Three Hills	S.E. 1/4	1-9-31-22-4	Domestic	1936		
1538	W. Pastorch & Partners	Three Hills		10-9-31-22-4	Domestic	1938		
1600	Peerless Coal Co.	Carbon		2-15-29-23-4	Domestic	1943		
Cascade Area			N.E. 1/4	1-29-24-10-5	Bituminous	1891		
The Cannmore Mines, Ltd.		Cannmore		12-4-26-11-5	Bituminous	1926		
Frank Wheatley & Sons		Banff						
Castor Area								
251	John Tyrlik	Heister	S.W. 1/4	16-28-42-17-4	Domestic	1910		
289	Bailey Bros. & Jackson	Gadsby	N.W. 1/4	11-28-39-16-4	Domestic	1911		
291	James Chiswick	Gadsby	S. 1/2	11-28-39-16-4	Domestic	1911		
447	Max LeCear	Forrestburg		11-28-39-16-4	Domestic	1911		
615	John Sank	Heister		8-9-28-40-15-4	Domestic	1914		
666	K.M. Coal Mine	Forrestburg		8-9-28-40-15-4	Domestic	1915		
902	O. V. Remillard	Castor		16-2-41-16-4	Domestic	1916		
911	F. G. Meek	Heister		16-33-37-14-4	Domestic	1921		
913	Ben Hronick	Halkirk		1-33-32-17-4	Domestic	1921		
948	C. H. Hanson	Rosalind		1-7-39-15-4	Domestic	1921		
953	Wm. Joneson	Forrestburg		6-8-43-17-4	Domestic	1921		
1046	J. F. Cordel	Halkirk		1-8-32-40-15-4	Domestic	1921		
1062	Chas. Strader	Halkirk		6-20-40-15-4	Domestic	1922		
1232	A. O'Brien	Halkirk		4-17-39-15-4	Domestic	1922		
1237	James Wilkinson	Halkirk	N.W. 1/4	25-40-16-4	Domestic	1926		
1240	W. T. Phillips	Castor		11-8-39-15-4	Domestic	1926		
1248	Thomas Mitchison	Donalda		1-2-4-4-38-14-4	Domestic	1926		
1343	Joseph Haden	Castor		2-3-29-41-17-4	Domestic	1926		
1349	James Bradley	Foreman		3-3-38-14-4	Domestic	1930		
1361	Mrs. Dan Shaw	Castor		16-26-40-16-4	Domestic	1931		
1417	James Easton	Castor		9-23-37-14-4	Domestic	1931		
1435	E. Lien	Edberg		14-34-37-16-4	Domestic	1933		
1441	Marshall & Heisz Coal Co.	Donalda		6-11-2-44-19-4	Domestic	1933		
1455	Floyd N. Wiltse	Halkirk		12-16-42-27-4	Domestic	1933		
				9-16-31-39-15-4	Domestic	1935		

1541	H. C. Muncy	Foreman	15-26-40-16-4	Domestic	1938
1572	F. E. Wilkinson	Donaldia	4-17-28-41-17-4	Domestic	1940
1578	Bish Bros	Forrestburg	15-36-40-16-4	Domestic	1941
1587	J. J. Mills	Heisler	5-22-42-17-4	Domestic	1942
1608	Castor Creek Collieries, Ltd.	Castor	6	3-38-14-4	Domestic
1617	Alfred Sorken	Killam	16-26-40-16-4	Domestic	1943
1618	A. T. Miner	Rosalind	6-43-17-4	Domestic	1943
Champion Area					
758	Alec Fraser	Carmangay	14-25-14-22-4	Domestic	1918
1273	Mrs. Aline Herbaut	Champion	14-33-15-23-4	Domestic	1927
1509	A. M. S. McGaw	Champion	16-33-15-23-4	Domestic	1937
1565	Mike Popovich	Champion	9-8-16-23-4	Domestic	1939
Coalspur Area					
769	Sterling Collieries Co., Ltd.	Sterco	12-35-47-20-5	Sub-Bituminous	1918
771	Foothills Collieries, Ltd., The	Foothills	10-24-47-20-5	Sub-Bituminous	1918
775	Lakeside Coals, Ltd.	Robb	3-14-49-21-5	Sub-Bituminous	1918
846	McLeod River Hard Coal Co. (1941), Ltd.	Mercoal	5-25-48-22-5	Sub-Bituminous	1920
1002	Coal Valley Mining Co., Ltd.	Coal Valley	16-26-47-20-5	Sub-Bituminous	1922
1157	Thirty-Two Collieries, Ltd.	Robb	11-15-49-21-5	Sub-Bituminous	1924
Crowsnest Area					
87	West Canadian Collieries, Ltd.	Bellevue	10-20-7-3-5	Bituminous	1903
88	International Coal & Coke Co., Ltd.	Coleman	11-8-8-4-5	Bituminous	1903
133	Hillcrest-Mohawk Collieries, Ltd.	Bellevue	21-7-3-5	Bituminous	1907
199	Frank Holmes	Beaver Mines	10-3-6-3-5	Bituminous	1909
204	McGillivray Creek Coal & Coke Co., Ltd.	Coleman	2-17-8-4-5	Bituminous	1909
295	B. A. Wilson	Pincher Creek	11-10-5-1-5	Bituminous	1911
396	West Canadian Collieries, Ltd.	Blairmore	10-2-8-4-5	Bituminous	1913
1584	West Canadian Collieries, Ltd.	Bellevue	15-31-6-5-5	Bituminous	1942
Drumheller Area					
346	Rosedale Collieries, Ltd.	Rosedale	14-28-28-19-4	Domestic	1912
367	Midland Coal Mining Co., Ltd.	Drumheller	10-11-9-29-20-4	Domestic	1912
402	Red Deer Valley Coal Co., Ltd.	Drumheller	7-8-29-20-4	Domestic	1913
422	Commander Coal Company	Aerial	5-9-29-20-4	Domestic	1914
436	Rosedale Collieries, Ltd.	Drumheller	7-28-28-19-4	Domestic	1914
620	Newcastle Collieries, Ltd.	Drumheller	3-29-20-4	Domestic	1915
728	Maple Leaf Minerals, Ltd.	Drumheller	13-32-27-18-4	Domestic	1918
764	Ben Pickering	Corner	5-28-18-4	Domestic	1918
815	Ernest Denio	Beynon	2-6-28-20-4	Domestic	1919
844	Ideal Coal Co., Ltd.	Drumheller	13-32-27-21-4	Domestic	1919
		Wayne	16-1-28-20-4	Domestic	1920

LIST OF MINES—Continued

Mine No.	Operator	Address	Location	L.S.T.R.M.	Character of Coal	Date of	
						Opening	Abandonment	Closing
1117	O. W. Whittaker	Beynon	3- 6-28-20-4	Domestic	1923		
1258	Brilliant Coal Co.	Drumheller	11-14-10-29-20-4	Domestic	1927		
1279	Empire Collieries, Ltd.	Willow Creek	6- 7-28-18-4	Domestic	1928	1943	
1299	Empire Collieries, Ltd.	East Coulee	2-32-27-18-4	Domestic	1929		
1421	Hy-Grade Coal Mining Co., Ltd.	Drumheller	13-11-29-20-4	Domestic	1933		
1473	Monarch Coal Mining Co., Ltd.	Drumheller	7- 8-29-20-4	Domestic	1935		
1481	Reefal Coal Co., Ltd.	Drumheller	13-21-27-18-4	Domestic	1935		
1491	Murray Collieries, Ltd.	Drumheller	29-27-18-4	Domestic	1936		
1493	Western Gem & Jewel Collieries, Ltd.	Cambria	6-15-28-19-4	Domestic	1936		
1511	Aetna Coal Company	Drumheller	1-22-28-18-4	Domestic	1937		
1515	E. B. Foye	Willow Creek	10-22-28-18-4	Domestic	1937		
1520	The Minute Coal Company	Drumheller	7-14-29-20-4	Domestic	1937		
1570	Sovereign Coal Co., Ltd.	Wayne	8- 7-28-19-4	Domestic	1940		
1573	Monarch Coal Mining Co., Ltd.	Drumheller	1-20-27-18-4	Domestic	1940		
1583	John Hamilton	Delta	8	Domestic	1942		
1589	Areadia Coal Mines, Ltd.	Willow Creek	9-23-28-18-4	Domestic	1943		
1601	Burn-Brite Coal Co.	Drumheller	16- 7-28-18-4	Domestic	1943		
	Dunphy Coal Co.	Drumheller	22-28-18-4	Domestic	1943		
		Drumheller	6-14-29-21-4	Domestic	1943		
Edmonton Area							
29	H. W. Smith (White Star Mine)	Edmonton	11-25-51-25-4	Domestic	1897		
91	Ottewill Coal Company	Clover Bar	17-53-23-4	Domestic	1904		
99	Great West Coal Co., Ltd.	Clover Bar	10- 7-53-23-4	Domestic	1903		
129	John Camara	Cardiff	16-23-55-25-4	Domestic	1907		
155	Dawson Coal, Ltd.	Edmonton	R.L. 25 Edmonton Sett.	Domestic	1907		
351	Frank Chiarello	Legal	S.W. 1/4	Rifle Range	25-57-25-4		
428	Banner Coal, Ltd.	Carbondale	R.L. 40 Edmonton Sett.	10- 8-55-24-4	Domestic	1912	
707	Dickinson & Knight	Beverly		14- 8-55-24-4	Domestic	1914	
753	H. Molzan	Carbondale		6-25-51-25-4	Domestic	1917	1943
1034	Long Coal Company	Edmonton		4-31-54-24-4	Domestic	1922	
1098	Mike Sinoski	Namao		5-25-51-25-4	Domestic	1923	
1233	Edmonton Collieries, Ltd.	Edmonton		14-36-54-25-4	Domestic	1926	
1266	Ellerslie Collieries	Ellerslie		1-26-51-25-4	Domestic	1927	
1297	Samis Collieries	Namao		11-26-54-25-4	Domestic	1929	
1316	Twin City Coal Company	Edmonton		8-26-51-25-4	Domestic	1931	
1352	Red Hot Coal Co., Ltd.	Edmonton		6-13-53-24-4	Domestic	1931	
1357	Beverly Coal Co., Ltd.	Beverly		36-52-24-4	Domestic	1931	
1366	Ottewill Coal Company	Edmonton					
1393	Block X, N.E. 1/4	Edmonton					

1419	Opalinski & Sinoski Kent Coal Co., Ltd.	Edmonton	S.W. $\frac{1}{4}$	4-25-51-25-4	Domestic	1933	
1427	Rivendale Coal Co., Ltd.	Namao	N.E. $\frac{1}{4}$	30-52-23-4	Domestic	1933	
1463	Carbondale	Edmonton	N.W. $\frac{1}{4}$	5-55-24-4	Domestic	1934	
1476	Dickinson, Knight & Dickinson	Namao	.....	9-55-24-4	Domestic	1935
1476	John May	Edmonton	.....	7-25-51-25-4	Domestic	1936
1492	D. J. Gwilliam	Namao	.....	3-6-55-24-4	Domestic	1936
1496	Mucha & Pickard	Edmonton	.....	12-25-51-25-4	Domestic	1939
1559	K. Ninko	Morinville	.....	11-25-51-25-4	Domestic	1939
1560	Egg Lake Coal Co.	Edmonton	.....	36-56-26-4	Domestic	1941
1582	John G. Mucha	Edmonton	.....	13-25-51-25-4	Domestic	1943
1594	.....	.....	.....	.....	.....	.....
Gleichen Area		Gleichen		Indian Reserve		1902	
72	Blackfoot Indians	Gleichen	.....	4-29-26-21-4	Domestic	1902
299	K. J. Schnepp	Rosebud	.....	7-26-20-19-4	Domestic	1911
1249	J. D. Vogel	Evremore	.....	5-11-25-22-4	Domestic	1926
1265	Standard Coal Mine	Standard	.....	3-29-26-21-4	Domestic	1927
1431	John Guiney	Rosebud	.....	14-20-26-21-4	Domestic	1933
1521	Wm. McMillan	Rosebud	.....	.....	.....	1937
Halcourt Area		Grande Prairie		15-35-70-7-6		1916	
651	Baldwin Collieries	Dinsdale	.....	2-21-70-7-6	Domestic	1916
1506	Campbell & O'Reilly	Hinton Trail	.....	2-21-70-10-6	Domestic	1937
1539	Dunbar & Partners	Halcourt	.....	14-24-70-11-6	Domestic	1938
1588	Dahl & Cage	Dinsdale	.....	4- 5- 7-70-18-6	Domestic	1942
1611	N. Schneider	.....	.....	.....	.....	1943
High Prairie Area		High Prairie		1-28-72-20-5		1939	
1567	W. D. Savage	High Prairie	.....	12-27-72-20-5	Domestic	1939
1615	Larson & Wood	High Prairie	.....	.....	.....	1943
Lethbridge Area		S.W. $\frac{1}{4}$		3-7-7-21-4		1902	
56	Rozolini & Bridaroli	Magrath	.....	5-12-32-9-21-4	Domestic	1909
738	George Rollinson	Lethbridge	.....	5- 8- 7-21-4	Domestic	1923
1086	Forsyth & Arnold	Lethbridge	.....	9-30-9-21-4	Domestic	1923
1095	Chester Mine	Lethbridge	.....	12-29-9-21-4	Domestic	1925
1219	S. & T. Mine	Lethbridge	.....	11-30-10-21-4	Domestic	1927
1263	Lethbridge Collieries, Ltd.	Lethbridge	.....	3- 2- 9-22-4	Domestic	1934
1464	Lethbridge Collieries, Ltd., No. 8 Mine	Lethbridge	.....	13-12-9-22-4	Domestic	1941
1576	Kerralta Coal Co.	Lethbridge	.....	4-13-9-22-4	Domestic	1941
1581	J. J. Hamilton Coal Co.	Lethbridge	.....	11-24-9-22-4	Domestic	1941
1600	Glen Tollesup	Raymond	.....	3- 7- 7-21-4	Domestic	1943
Milk River Area		W. $\frac{1}{2}$		8-9-10-10- 9		1929	
1301	Thos. Taylor	Groton	.....	.....	.....	1929
1380	J. J. Mueller	Masinasin	.....	10-27- 2-12-4	Domestic	1931

LIST OF MINES—Continued

Mine No.	Operator	Address	Location	L.S.S.T.R.M.	Character of Coal	Date of	
						Opening	Abandonment
Mountain Park Area							
282	Mountain Park Coals, Ltd.	Mountain Park	S.W. $\frac{1}{4}$	33-45-23-5 14-31-46-23-5 7-23-47-24-5 8-28-47-24-5	Bituminous Bituminous Bituminous Bituminous	1911 1917 1921 1932	.....
693	Cadomin Coal Co., Ltd.	Cadomin .....					.....
905	Luscar Coals, Ltd.	Luscar .....					.....
1392	K-D Collieries, Ltd.	Kaydee .....					.....
Nordegg Area							
256	Brazeau Collieries, Ltd.	Nordegg		13-22-40-15-5	Bituminous	1910	.....
Pakowki Area							
602	Wm. Geddes	Little Plume	S.W. $\frac{1}{4}$	10			
1138	Wm. Geddes	Little Plume	S.E. $\frac{1}{4}$	11- 2- 9- 5-4 15- 2- 9- 5-4 10-23- 8- 3-4	Domestic	1915 1924 1929	1943
1318	W. Raeder	Elkwater			Domestic .....		.....
Pekisko Area							
361	Harry Swan	Priddis	N.W. $\frac{1}{4}$	11-22- 3-5	Sub-Bituminous	1912	.....
1516	G. C. Davies	Priddis		10- 4-22- 3-5	Sub-Bituminous	1937	.....
1610	Ernest Payne	Calgary		7-24-19- 6-5	Sub-Bituminous	1943	.....
Pembina Area							
419	Lakeside Coals, Ltd.	Wabamun	N.W. $\frac{1}{4}$	15- 9-53- 4-5	Domestic	1913	.....
1495	Pembina Collieries, Ltd.	Entwistle		34-53- 7-5	Domestic	1936	.....
1575	H. H. Wright	Genesee		16-12-51- 3-5	Domestic	1941	1943
1592	Wilma Coal Co.	Stony Plain		30-52- 4-5	Domestic	1943	.....
1596	Wm. Robinson	Entwistle		2-34-33- 7-5	Domestic	1943	.....
1606	H. H. Wright	Genesee		7-30-39- 3-5	Domestic	1943	.....
Pincher Area							
59	Albert Keith	Lundbreck		15-26- 7- 2-5	Sub-Bituminous	1902	.....
Prairie Creek Area							
1296	Jasper Coals, Ltd.	Drimman	N.W. $\frac{1}{4}$	18-51-24-5	Sub-Bituminous	1929	.....
Redcliff Area							
165	Gunderson Brick & Coal Co., Ltd.	Redcliff		14- 5-13- 6-4	Domestic	1908	.....
772	Ajax Coal Co. (J. T. Oliphant)	Medicine Hat		2- 5-13- 6-4	Domestic	1918	.....

1517	Rochester Area	Thorhild Coal Co.	Thorhild	12-13-12-60-21-4	Domestic	1937
1562		Tomlinson & Kaszuba	Thorhild	1-11-60-21-4	Domestic	1939
	Saunders Area					
388		Bighorn & Saunders Creek Coll., Ltd.	Saunders	S.E. 1/4	9-24-40-13-5	Sub-Bituminous
852		Alexo Coal Co., Ltd.	Alexo	N.W. 1/4	9-27-40-13-5	Sub-Bituminous
	Sheerness Area					
443		Chinook Coal Co., Ltd.	Sheerness	1-12-29-13-4	Domestic	1914
486		Little Bros.	Hanna	6-29-32-13-4	Domestic	1915
1314		T. E. Stuibs	Hanna	1- 6-29-14-4	Domestic	1929
1398		T. G. Ironside	Scapa	12- 5-34-13-4	Domestic	1932
1401		F. H. Pahl	Hanna	7-30-32-13-4	Domestic	1932
1432		Sheerness Coal Co., Ltd.	Sheerness	5-19-29-12-4	Domestic	1933
1553		John Masciangelo	Delta	10-21-30-17-4	Domestic	1939
1597		A. J. Bordula	Hanna	16-12-29-13-4	Domestic	1943
	Taber Area					
672		C. J. Lavenne	Bow Island	3-27-12-10-4	Domestic	1916
712		Powell & Co.	Barnwell	8- 4-10-17-4	Domestic	1917
1334		Continental Coal Corporation, Ltd.	Grassy Lake	4-26- 9-13-4	Domestic	1930
1536		Oliver Coal Mine	Taber	2-18-10-16-4	Domestic	1938
1580		Continental Coal Corporation, Ltd.	Grassy Lake	7- 8-26- 9-13-4	Domestic	1941
1604		Majestic Mines, Ltd.	Taber	12-10-17-4	Domestic	1943
1607		Kenneth Oliver	Taber	12- 7-10-16-4	Domestic	1943
1609		Western Ventures, Ltd.	Taber	30-10-16-4	Domestic	1943
	Tofield Area					
215		E. Skarin (Dodds Coal Mine)	Dodds	7-14-49-18-4	Domestic	1909
252		Tofield Coal Co., Ltd.	Tofield	26-50-19-4	Domestic	1910
1107		D. Falvo	Dodds	15-11-49-18-4	Domestic	1923
1206		Ryley Coal Company	Ryley	8- 8-49-17-4	Domestic	1925
	Wetaskiwin Area					
1534		Peter Gill	Thorsby	2- 7- 3-48-27-4	Domestic	1938
	Whitecourt Area					
1569		Alex Watson	Blueridge	16-24-59-11-5	Domestic	1940
1593		A. J. Buxton	Blueridge	12-13-19-59-10-5	Domestic	1943
1612		R. F. Pritchard	Blueridge	13- 2-59-10-5	Domestic	1943
	No Area			1-31-59-10-5	Domestic	1943
1616		G. Sparks	Unsurveyed		Domestic	1943
			Beaverlodge			

THE MINES BRANCH

BOARD OF EXAMINERS

The Provincial Board of Examiners during the year 1943 consisted of the following:

As representing:

- (a) The Mine Inspectorate: Andrew A. Millar, Chief Inspector of Mines.
- (b) Managers: A. C. Dunn and William Wilson.
- (c) Working Miners: Andrew Campbell and Evan Morgan.

Secretary: A. B. Hunter.

Examinations during the year were held as follows:

For third class at the following centres: Edmonton, Drumheller, Blairmore, Lethbridge and Cadomin on June 1st and 10th.

For first and second class on June 8, 9 and 10 at Edmonton, Drumheller, Blairmore, Lethbridge, Cadomin and Canmore.

For mine surveyor on June 10th at Blairmore, Lethbridge, Cadomin and Canmore.

The Board of Examiners for the examination of candidates for certificates of competency as mine electricians, comprised of Mr. A. B. Hunter, as chairman, and Mr. Burton Tait, Electrical Inspector of Mines, as the other member, held examinations at the following centres during the year: Edmonton on April 19th and Drumheller on November 4th and 5th.

Nine candidates presented themselves for examination for first class certificates, of whom three were successful. This included one supplementary examination candidate, who was successful.

Sixteen candidates presented themselves for examination for second class certificates, eight of whom were successful.

Twenty-seven candidates presented themselves for examination for third class certificates, of whom 14 were successful.

Five candidates presented themselves for examination for mine surveyors' certificates, of whom two were successful.

Seven candidates presented themselves for examination for mine electricians' certificates, of whom three were successful.

The successful candidates for all certificates are in the list following herewith.

**LIST OF NAMES OF HOLDERS OF FIRST, SECOND AND THIRD CLASS
MINE SURVEYORS' AND MINE ELECTRICIANS' CERTIFICATES**

Issued by the Government of the Province of Alberta during the year 1943

FIRST CLASS

Name	Address	Cert. No.	Date of Issue
Brady, John	Canmore	14	20- 7-43
Campbell, Thomas	Drumheller	13	14- 7-43
Dunn, Robert A.	Nacmine	15	27- 8-43

SECOND CLASS

Cooke, Charles R	Willow Creek	30	22- 4-43
Fraser, William B.	Coleman	31	14- 7-43
Jones, John C.	Saunders	35	20- 7-43
Kubin, John J.	Coleman	32	14- 7-43
Lamond, David	Evansburg	36	20- 7-43
Morrison, Neil A. P.	East Coulee	37	20- 7-43
Mather, John H.	Namao	38	9- 9-43
Shearer, John C.	Hillcrest	33	20- 7-43
Tiberg, A. J.	Blairmore	34	20- 7-43

THIRD CLASS

Annon, Joseph L. (duplicate)	Bow Island	69	3-11-43
Bianchini, Armand	Hillcrest	59	20- 7-43
Beveridge, James	Nordegg	65	30- 7-43
Barton, John S.	Nordegg	68	25-10-43
Carr, John R.	Cadomin	62	20- 7-43
Driega, William	Cadomin	61	20- 7-43
Forsyth, John	Lethbridge	54	1- 7-43
Fontana, Benjamin J.	Coleman	57	20- 7-43
Gibson, George	Blairmore	67	9-10-43
Kinnear, John A.	Coleman	64	22- 7-43
Lidgett, Joseph L.	Mercoal	60	20- 7-43
McGladrie, Robert I.	Nevis	63	24- 7-43
McMillan, James	Mountain Park	66	11- 8-43
Staite, Albert E.	Trochu	56	20- 7-43
Semeniuk, Steve	Shaughnessy	58	20- 7-43
Topak, Peter	Coleman	55	14- 7-43

MINE SURVEYOR

Name	Address	Cert. No.	Date of Issue
Donaldson, Adam G.	Lethbridge	4	6- 8-43
Morgan, Evan H.	Blairmore	3	14- 7-43

MINE ELECTRICIAN

Heidel, H. S.	Priddis	117	12-11-43
Lavis, Stewart	Drumheller	119	12-11-43
Ransom, Albert S.	Nacline	118	12-11-43

LIST OF HOLDERS OF FIRST, SECOND AND THIRD CLASS CERTIFICATES, MINE SURVEYORS' AND MINE ELECTRICIANS' CERTIFICATES

Issued by the Government of the Province of Alberta to December 31st, 1943

List of Names of Holders of First Class Certificates

*Addie, W.	Lundbreck	19	25- 8-03
Aspinall, Francis	Vancouver, B.C.	22	1- 3-09
Ashburner, Edward		40	9-12-10
*Alderson, Fred D.	Lethbridge	52	27- 9-11
Allen, Peter	Hosmer, B.C.	72	5-11-12
*Brown, J.	Calgary	18	24- 8-03
*Bastian, J.	Taber	43	19- 7-04
Broome, G. H.	New Zealand	46	28-11-04
Bradshaw, G. B.	Nanaimo, B.C.	61	16- 5-05
Baxter, Andrew W.	Calgary	47	22-12-10
Barnes, Arthur W.	Montana	74	7-11-12
*Black, Ernest D.	Nova Scotia	84	29- 7-13
Brydon, Andrew D.	England	4	17- 9-14
*Brownrigg, John H.	Bankhead	21	17- 7-17
Blake, Henry	Blairmore	25	27- 7-17
Brown, Hugh R.	Carbon	26	28- 6-18
Bilsom, George H.	Rhodesia	27	28- 6-18
Brown, R. J.	Montana	30	3- 7-18
Brown, Thomas	Edmonton	42	5- 9-19
Blair, John	Wayne	55	24- 7-24
Barclay, William	Drumheller	11	31- 7-36
Burton, John T.	Drumheller	13	8- 8-36
Brusset, John A.	Blairmore	10	1- 8-42
Brown, J. D. B.	Saunders	12	1- 8-42
Brady, John	Canmore	14	20- 7-43
Collins, W. F.	Blairmore	24	31-10-03
*Colville, A.	Edmonton	52	19- 1-05
Coultard, R. W.	Blairmore	8	19- 3-06
*Cunningham, G. F.	Edmonton	7	10- 1-08
Church, J. A. H.	Nova Scotia	11	23- 1-08
Coultard, R. W. (duplicate)	Blairmore	24	11-10-09
*Crowder, James	Drumheller	38	24-12-09
*Christianson, Peter	Edmonton	48	21-12-10
Clyne, James M.	Edmonton	69	18- 3-12
*Crowder, Harry	Drumheller	5	18- 9-14
*Callander, Ira C.	Pocahontas	13	12- 8-16
Cranston Michael	Calgary	35	2- 7-19
Coupland, Edward	Cadomin	56	24- 7-24
Crawford, Alexander	Kaydee	61	24- 7-25
Crawford, John	Edmonton	65	26- 7-26
Chavignaud, Louis G.	Coal Valley	71	6- 8-27
Clark, H. Wilton	Drumheller	66	26- 7-27
Congdon, Milton H.	Blairmore	1	17- 7-40
Crawford, Hugh	Lethbridge	5	11- 7-41
Campbell, Thomas	Drumheller	13	14- 7-43
*Drinnan, R. G.	Edmonton	29	30- 1-04
*Dickson, G. H.	Edmonton	3	31- 5-06
Dunn, A. C.	Edmonton	18	13- 1-09
*Derbyshire, J.	Bellevue	35	3-12-09
*Davidson, W. A.	Alexo	25	27-11-09
*Davis, David	Edmonton	62	28-11-11
Duggan, William H.	Victoria, B.C.	85	29- 7-13
deHart, Joseph B.	Calgary	86	29- 7-13
Dennis, Fred W.	Brooks	12	28-10-15
*Davidson, David	Bellevue	15	12- 8-16
Donaldson, Chris S.	Lethbridge	20	17- 7-17
Davies, Thomas O.	Calgary	22	17- 7-17
D'Altroy, A. C.	British Columbia	53	17- 8-23
Davidson, J. M.	Lethbridge	75	23- 7-29
Dutson, J. A.	Drumheller	4	25- 7-32
Dalziel, Robert	Edmonton	8	29- 7-33
Donaldson, Adam G.	Shaughnessy	14	23- 8-37
Dunn, Robert A.	Nacline	15	27- 8-43

THE MINES BRANCH

List of Names of Holders of First Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
*Evans, D.	Michel, B.C.	1	15-10-98
*Evans, D. (duplicate)	Michel, B.C.	14	11-12-02
Elliott, D.	Blairmore	20	13-10-03
Emmerson, C.	Bellevue	49	9- 1-05
Emmerson, J.	Frank	50	14- 4-05
Ellis, William	Champion	15	8- 1-09
Emerson, J.	Canmore	41	25- 8-19
*Finlayson, J.	Bassano	30	10- 2-04
Flint, W. G.	Edmonton	56	13- 4-05
*Fraser, Norman	Edmonton	1	21-12-05
*Fraser, G. L.	Coleman	1	31- 5-06
*Ferguson, C. J.	Edmonton	23	17- 7-17
Foster, William	Wabamun	40	12- 8-19
France, Thomas	Priddis	44	8-10-19
Green, R.	Calgary	58	26- 4-05
Graham, C.	Prince Rupert, B.C.	7	27- 2-06
Givin, Homer H.	Virginia, U.S.A.	57	23-11-11
Gray, David, Jr.	Washington, U.S.A.	65	4-12-11
Guernsey, F. W.	Vancouver, B.C.	80	18-12-12
Gotheridge, William T.	Ryley	54	16- 7-24
Gardner, H. H.	Coleman	9	18-12-34
Goodwin, William	Bellevue	12	4- 8-36
*Hardie, W. D. L.	Lethbridge	2	15-10-98
*Hamilton, W. L.	East Coulee	4	2-12-98
*Hargreaves, James	Coal Creek, B.C.	23	31-10-03
*Heathcote, Elijah	Byseville, Ohio	26	24-11-03
Henrietta, Chas. M.	East Coulee (duplicate)	48	9- 1-05
*Hargreaves, James	Taber	3	29-12-05
*Huntrods, E. S. F.	Priddis	4	3- 1-07
Hamilton, Robert	Victoria, B.C.	6	26-12-07
Horne, Thomas	Coleman	12	7- 1-09
Horne, Robert	Bankhead	14	7- 1-09
*Holden, James	Lethbridge	16	11- 1-09
*Harrison, Stephen	Edmonton	23	23- 3-09
Hart, John	Edmonton	64	4-12-11
Howells, Nathaniel	Edmonton	14	12- 8-16
Hunter, A. B.	Calgary	19	7- 7-17
Higgins, Alexander	Calgary	36	3- 7-19
Heeley, William G.	British Columbia	38	9- 7-19
Hetherington, W. B.	Scotland	50	1- 8-21
Howden A. B.	Drumheller	52	17- 8-23
Hamilton, Allan	Lethbridge	58	20- 7-25
Hall, William E. G.	Edmonton	79	10- 9-30
Hibbert, W. J.	Luscar	6	22- 3-33
Hnatyshyn, A. C.	Edmonton (duplicate)	7	29- 7-33
Hibbert, W. J.	Cadomin	21	21- 7-39
Horne, James	Luscar	7	15- 7-41
Hamilton, Duncan C.	Fernie, B.C.	44	29- 4-04
*John, John	Nanaimo, B.C.	57	24- 4-05
*Jones, Samuel A.	Edmonton	67	27-11-11
Jones, David	Blairmore	79	14-11-12
*Johnson, Moses	Drumheller	11	9- 9-15
Jordan, William	Hinton	18	21- 7-38
Jones, J. R. B.	Tonkin, B.C.	27	18-12-03
Kerr, Alex.	Taber	20	29- 1-09
*Keith, Thos.	Coal Creek, B.C.	28	30-11-09
Knox, Thos. K.	Coleman	59	23-11-11
*Kellock, James	Hosmer, B.C.	70	11- 5-12
Kinsman, Alexander	Coleman	76	8- 8-30
Kellock, James	CoalfIELDS	5	2-12-98
Little, John	Lethbridge	16	.....
*Livingstone, Robert	Michel, B.C.	42	2- 7-04
Lewellyn, D. R.	Canmore	4	29-12-05
Little, W. F.	Estevan, Sask.	56	23-11-11
*Lee, Robert J.	Wayne	6	18- 9-14
*Leblanc, Emile	Coleman	77	8- 8-30
Lindoe, Luke	Canmore	3	3-11-98
*Morris, Jas. J.	Frank	12	13- 2-02
*Morris, Cyrus	Nanaimo, B.C.	35	2- 5-04
Mills, Thomas	Fernie, B.C.	41	3- 6-04
Manley, Henry L.	Michel, B.C.	63	21- 7-05
*Morton, T. R.	Taber	6	1- 2-06
*Marsh, John	Bankhead	26	27-11-09
Moore, Samuel M.	Pincher Creek	27	29-11-09
Maxwell Wm.	Edmonton	54	23-11-11
Millar, Andrew A.	Canmore	76	11-11-12
Musgrove, William	Donalda	78	13-11-12
Marshall, John W.	Edmonton	81	20- 7-13
Mather, Thomas	Pocahontas	83	24- 7-13
Milne, Morgan C.	Saunders	51	17- 8-23
Morgan, Owen	Foothills	1	26- 7-31
Morris, William	Robb	2	25- 8-31
Millar, David	Blairmore	3	27- 9-31
Morgan, Evan H.	Hillcrest	15	26- 8-37
Morgan, Thomas E.	Cadomin	4	11- 7-41
Melnik, Nick			

List of Names of Holders of First Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Muir, Alexander	Edson	6	11- 7-41
Miller, Henry	Rosedale	8	25- 7-41
McEvoy, James	Fernie, B.C.	17	1- 8-03
*McVicar, Samuel	Frank	59	26- 4-05
McLean, Donald	Ladysmith, B.C.	62	22- 5-05
*McMillan, J. H.	Lethbridge	17	12- 1-09
*McDonald, John R.	Edmonton	29	30-11-09
McLenhan, J. A.	Edmonton	39	13- 1-10
*Macaulay, Donald A.	Drumheller	42	9-12-10
McCullouch, James	Corbin, B.C.	41	17-12-10
McDonald, Duncan	Drumheller	60	23-11-11
*McKelvie, James	Nordegg	7	26-10-14
Macaulay, Angus G.	Drumheller	9	16- 8-15
McDonald, H. S.	Bellevue	17	7- 7-17
McLeod, John A.	Cadomin	18	7- 7-17
*McDonald, Noble M.	Vancouver, B.C.	33	9- 7-18
McIntyre, John J.	Coleman	39	25- 7-19
McGuckie, Thomas M.	Wayne	43	1-10-19
McLean, Michael D.	Michel, B.C.	68	30- 8-26
MacKinnon, Hugh G.	Drumheller	20	20- 7-39
McDonald, Leslie M.	Coleman	23	28- 7-39
McMullen, Arthur	Nordegg	3	6-11-40
McAndrew John M.	Calgary	11	1- 8-42
Nugent, Bernard	Edmonton	57	1- 8-24
O'Donnell, Thomas	Rosedale	61	28-11-11
Pearson, Robinson	Fernie, B.C.	11	19-11-01
*Parker, John L.	North Star	25	13-11-03
Pearson, R. N.	Frank	38	10- 5-04
Powell, John W.	Coleman	60	10- 5-05
Pitcher, Norman C.	Edmonton	75	11-11-12
Pickles, William	Edmonton	77	11-11-12
*Pavier, Evan L.	Edmonton	24	24- 7-17
*Puckett, Owen L.	Drumheller	29	3- 7-18
Pascoe, Thomas	Edmonton	78	8- 8-30
Potter, Idwal N.	Drumheller	22	25- 7-39
*Quigley, Jas. S.	Hillcrest	21	1- 2-09
Quigley, D. H.	Coalhurst	28	28- 6-18
*Reynolds, E. E.	Lethbridge	33	5- 4-04
Richards, James A.	Drumheller	39	17- 5-04
*Russell, Thomas	Victoria	45	28-10-04
Raisbeck, Luke	Aerial	47	28-11-04
*Reed, Thomas	Northfield, B.C.	5	.....
Robertson, John	Drumheller	2	22-12-05
*Robertson, John	Lundbreck	9	18- 1-08
*Richards, Clifton C.	Calgary	36	13-12-09
Russell, John	Round Hill	44	22-12-10
Reid, John C.	Oklahoma, U.S.A.	53	4-12-11
*Roberts, Edward I.	Edmonton	55	18-11-11
Reid, Adam H.	Oklahoma, U.S.A.	3	18- 9-14
Russell, James	Lethbridge	8	8-12-14
Robert, Louis P.	Blairmore	10	16- 8-15
Ramsay, P. M.	East Coulee	34	12-11-18
Richards, Russell	Drumheller	60	20- 7-25
Rappell, Thomas	Canmore	17	1- 9-37
*Smith, Frank B.	Edmonton	7	4- 6-01
Stockett, Thos. R., Jr.	Nanaimo	10	19-11-01
Simister, Chas.	Fernie, B.C.	21	13-10-03
Strachan, Robert	Fernie, B.C.	31	10- 2-04
Shepherd, F. H.	Victoria, B.C.	34	2- 5-04
Symons, C. C.	Coalfields	37	2- 5-04
*Stockett, Lewis	Vancouver, B.C.	51	19- 1-05
*Sharp, Alex.	Edmonton	53	22- 2-05
*Stirling, John T.	Edmonton	8	10- 1-08
Scott, Alex.	Edmonton	5	26-12-07
Sparrow, Edwin	Lundbreck	13	7- 1-09
Scott, A. N.	Luscar	19	25- 1-09
*Shone, Samuel	Coleman	33	2-12-09
Stevens, Leonard C.	Edmonton	31	2-12-09
Saville, Enoch O.	Taber	45	22-12-10
*Shaw, William	Edmonton	46	22-12-10
Stewart, Robert T.	Edmonton	50	12- 1-11
Shanks, John (cancelled)	Nordegg	51	17- 1-11
Stevenson, John	Scotland	68	6-12-11
Stevenson, William	Meroal	87	29- 7-13
Shanks, David	Nordegg	61	4-11-16
Smith, Thomas E.	Montana	31	3- 7-18
Stevenson, John	Hillcrest	46	26- 7-20
Stewart, James (cancelled)	Nordegg	48	26- 7-20
Scott, Thomas W.	Cadomin	67	17- 8-26
Sandino, J. A.	Drumheller	5	25- 7-32
Smith, Terence	Edmonton	10	1- 8-35
Thorne, B. L.	Calgary	32	2-12-09
*Thain, Harry S.	Lethbridge	34	2-12-09
Thomas, John Ira	Edmonton	49	16- 1-11
Thomas, Willis P.	Diamond City	58	23-11-11

List of Names of Holders of First Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
*Thomas, Joseph D.	Passburg	66	4-12-11
*Turner, John T.	Coalhurst	49	1- 8-21
Tennant, Robert	Drumheller	59	20- 7-25
Touhey, James B.	Drumheller	19	27- 7-38
Thomas, David R.	Edmonton	2	12-10-40
Thomson, John	Edmonton	9	17- 7-42
*Whiteside, O. E. S.	Vancouver, B.C.	6	15-12-98
White, E. Proctor	Lethbridge	8	17- 6-01
*Wyllie, John B.	Frank	13	25-11-02
Waite, Archibald	Taber	15	9- 4-03
*Wilson, David G.	Fernie, B.C.	22	31-10-03
Wilson, Arthur B.	Lethbridge	28	12- 1-04
*Wall, W. O.	Nanaimo, B.C.	32	10- 2-04
*Williams W. P.	Blairmore	36	2- 5-04
*Wright, H. B.	Fernie, B.C.	40	25- 5-04
*Wilkinson, Geo.	Nanaimo, B.C.	54	27- 3-05
*Weatherby, C.	Coleman	2	31- 5-06
Williams, T. H.	Taber	10	18- 1-08
Watters, John	Banff	30	30-11-09
*Wark, S. D.	Passburg	37	15-12-09
*Willey, Edward	Fernie, B.C.	71	1-11-12
Watson, William	Coleman	73	7-11-12
*Welch, Jas. D.	Nordegg	1	18- 9-14
Williams, Thos. B.	Canmore	2	18- 9-14
Watters, Alexander G.	Bankhead	32	5- 7-18
Watson, Ronald H.	Edmonton	37	3- 7-19
*Wilkinson, Geo.	Nanaimo, B.C. (duplicate)	45	21-11-19
Williams, Arthur E.	Saunders	69	1- 8-27
Wilson, Andrew	Edmonton	70	1- 8-27
Wilson, William	Canmore	72	19- 7-28
Whittaker, W. C.	Coal Valley	74	29- 7-28
Worthington, W. T.	Edmonton	16	26- 8-37
Young, David B.	Bellevue	64	26- 7-26
Yates, Frank	Michel, B.C.	73	29- 7-28

*Deceased.

Certificates issued previous to September 1, 1905, were issued under the provisions of The Coal-mines Regulation Ordinance of the North-West Territories.

Interchange First Class

Cumberland, James	Drumheller	80	19- 1-31
*Jones, Griffith	Drumheller	63	21-10-25
Morrison, Edward	Fernie, B.C.	62	28- 9-25
McLean, Michael D.	Michel, B.C.	68	30- 8-26
Scott, Thomas W.	Cadomin	67	17- 8-26

*Deceased.

List of Names of Holders of Second Class Certificates

*Anderson, J.	Bellevue	2	30- 5-06
Aspinall, Francis	Vancouver, B.C.	27	27- 5-08
Allen, Peter	Wayne	72	20-12-11
Allen, William C.	Wayne	22	7- 9-15
Atherton, Edward	Sheerness	49	17- 7-17
Ashurst, William	Caleman	51	17- 7-17
Ashman, Alfred W.	East Coulee	88	3- 7-19
Adlam, William	Hillcrest	107	15- 7-19
Armstrong, John	Nordegg	110	16- 7-19
Adams, Thomas H.	Beverly	127	26- 7-20
*Anderson, Peter B.	Mountain Park	139	26- 7-20
Alexander, William	Bellevue	68	20- 7-38
Aschacker, Martin	Blairmore	17	20- 1-42
Appleby, Wm. S.	Canmore	18	17- 7-42
Ainsworth, John H.	Halkirk	25	24- 7-42
*Bastian, J.	Taber	27	7- 5-04
Bastian, T. W.	Clover Bar	27	8- 4-05
Bowie, J.	Leduc	4	3- 1-07
Bamling, J.	Diamond City	44	2-12-09
Brockhouse, I. B.	Milk River	74	20-12-11
Bridge, Edward	Cumberland, B.C.	99	5-11-12
Brown, Alan J.	Coleman	105	7-11-12
Barclay, Andrew	Frank	111	18-11-12
Brown, William	Commerce	126	31- 7-13
Blake, Henry	Blairmore	128	31- 7-13
Brisco, Daniel	Luscar	19	21- 8-15
Bilsom, George H.	Rhodesia	2	27- 8-14
*Brownrigg, John H.	Bankhead	21	30- 8-15
Berford, Edward	Commerce	27	12- 8-16

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Barclay, William	Drumheller	54	10- 8-17
Bovio, M.	Bellevue	61	5- 7-18
Blair, John	Picture Butte	72	11- 7-18
Brearley, Garnett	Coalhurst	78	23- 7-18
Brown, J. F.	Edmonton	84	28- 6-19
Ball, Benjamin	Michel, B.C.	101	8- 7-19
Badham, Thomas	Coleman	104	15- 7-19
Bainbridge James	Nanaimo, B.C.	112	5- 8-19
Brooks, Burton T.	Drumheller	129	26- 7-20
Brady, John	Luscar	141	26- 7-20
Brown, Thomas	Edmonton	155	17-11-17
Briggs, William A.	Carbon	154	10-10-21
Bradley, Thomas	Bellevue	166	17- 8-23
Baybutt, Thomas	Hillcrest	168	17- 8-23
Blas, Emile	Wayne	169	17- 8-23
Eoucher, Charles T.	Wayne	175	16- 7-24
Barrowman, Alexander	Ardley	182	14-11-24
Bainbridge, George E.	Nordegg	183	12-12-24
Birse, Alexander	Coalhurst	185	20- 7-25
Brown, Richard G.	Cadomin	192	30- 7-26
Burton, William H.	Edmonton	194	6- 8-26
Burton, John T.	Edmonton	212	23- 7-29
Barrie, John	Drumheller	8	26- 7-31
Boughton, C. A.	Rosedale	10	25- 7-32
Burton, James	Robb	13	25- 7-32
Burrell, Archibald K.	Drumheller	37	26- 7-34
Brown, John D. B.	Mountain Park	55	4-11-36
Barclay, Peter	Rosedale	4	3- 8-40
Bradshaw, Richard	East Coulee	8	12- 7-41
Baldwill, F. W.	Hillcrest	20	17- 7-42
Blake, Raymond	Bellevue	28	12- 8-42
Chestnut, C.	Vancouver, B.C.	30	18- 4-05
*Corkill, T.	Michel, B.C.	13	
*Crowder, James	Blairmore	10	26-12-07
Clay, E.	Oxville	28	7- 1-09
*Clark, J. C.	Blairmore	49	22-12-09
Clyne, James	Edmonton	53	22- 4-10
Clemenson, John	Scotland	58	17-12-10
Cooke, Joseph	Burmis	66	20- 2-11
*Crowder Harry	East Coulee	69	18-12-11
Coupland, George	Bellevue	77	21-12-11
Cranston, Michael	Drumheller	119	29- 7-13
Crawford, Alexander	Edmonton	125	31- 7-13
Campbell, K. S.	Beverly	132	31- 7-13
Coupland, Edward	Cadomin	8	18- 9-14
Coutes, George	Lethbridge	20	26- 8-15
Conlin, John	Drumheller	33	22- 8-16
Cox, John C.	Toronto	42	7- 7-17
Clark, Robert	Hardieville	43	7- 7-17
Crabb, Samuel A. B.	Lethbridge	52	17- 7-17
Crawford, John	Edmonton	64	6- 7-18
Crawford, William S.	Lethbridge	66	9- 7-18
Carson, James	Spring Point	82	17-10-18
Cartwright, Charles E.	Blairmore	85	2- 7-19
Clarkstone, W. W.	Fernie, B.C.	93	3- 7-19
Caufield, J.	Coal Creek, B.C.	105	15- 7-19
Carr, Thomas	Cadomin	177	1-10-19
Cole, J. J.	Canmore	126	26- 7-20
Congdon, Milton H.	Blairmore	158	1- 8-22
Campbell, Thomas	Drumheller	174	16- 7-24
Chavignaud, Louis G.	Hinton	195	17- 8-26
Castella, Jens	Standard	35	23- 7-24
Clyne, James M.	Edmonton	42	18- 7-35
Carmichael, Malcolm	Canmore	65	21- 7-38
Crawford, Hugh	Lethbridge	85	12- 8-39
Curry, John	Hillcrest	86	12- 8-39
Campbell, James	Calgary	94	20-12-40
Carson, James	Edmonton (duplicate)	16	25- 9-41
Crabb, Daniel J.	Lethbridge	21	17- 7-42
Cooke, Charles R.	Willow Creek	30	22- 4-43
Davis, A.	Lethbridge	4	19-11-98
Duggan, R. G.	Taber	19	26- 4-04
Davies, D.	Coleman	31	18- 4-05
Dunn, J. P.	Edmonton	9	26-12-07
Davies, John	Coleman	11	26-12-07
Davies, S.	Coal Creek, B.C.	18	10- 1-08
Dixon, S.	Lille	24	8- 2-08
Davis, John	Lethbridge	31	11- 1-09
*Davies, T.	Frank	54	22- 4-10
*Davidson, David	Alexo	94	1-11-12
Davies, Thomas O.	Pincher Creek	104	7-11-12
Dalziel, Robert	Edmonton	122	31- 7-13
*Digman, John H.	Coalhurst	134	31- 7-13
Dennis, F. W.	England	3	27- 8-14
Dewar, Alexander	Coleman	16	16- 8-15

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Donaldson, C. S.	Lethbridge	35	26- 8-16
Duncan, N. S.	Dodds	100	8- 7-19
D'Altroy, A. C.	British Columbia	145	1- 8-21
Dieter, W. J.	Sheerness	167	17- 8-23
Davidson, John M.	Clover Bar	187	1- 8-25
Dutton, Joseph A.	Mountain Park	198	1- 8-27
Davidson, Albert M.	Dodds	202	20-12-27
Davey, George	Rosedale	209	29- 7-28
Deere, G. E.	Foothills	214	23- 7-29
Davies, J. C. H.	Blakeburn, B.C.	219	10- 9-30
Dixon, John O.	High River	220	10- 9-30
Donaldson, Adam	Lethbridge	40	13- 8-34
Douglas, Peters S. Jr.	Cadomin	93	22- 4-40
Dunn, Robert	Willow Creek	6	12- 8-40
Dobson, Roy C.	Lethbridge	27	4- 8-42
Emmerson, C.	Bellevue	3	15-11-98
*Eccleston, W.	Michel, B.C.	16	10- 1-08
Evans, Thos. R.	Coleman	137	31- 7-13
Embree, Merton B.	Evansburg	98	3- 7-19
Edwards, John	Cadomin	7	26- 7-31
Evans, Howell	Mountain Park	24	29- 7-33
Elkes, Frederick W.	Drumheller	33	23- 7-34
Edwards, Mark	Edmonton	50	7- 8-36
Edwards, Oliver E.	Cadomin	53	12- 8-36
Esteban, Melchor	Calgary	59	23- 8-37
Evans, Howell	Luscar (duplicate)	77	23- 3-39
Erikson, Gustaf W.	Blairmore	81	25- 7-39
*Fraser, G. L.	Coleman	25	23-12-04
Flint, W. G.	Edmonton	16	
Francis, J.	Taber	29	8- 1-09
Fox, A.	Nevis	42	29-11-09
Foster, W. R.	Taber	51	24- 1-10
Fulton, James K.	Coleman	133	31- 7-13
Foster, William	Robb	14	16- 8-15
Finlay, Samuel	Clover Bar	25	12- 8-16
*Ferguson, C. J.	Edmonton	38	30- 8-16
Fortner, Edward	Tennessee, U.S.A.	57	3- 7-18
France, Thomas	Priddis	67	9- 7-18
Fylie, J.	Drumheller	109	16- 7-19
Fraser, James	Carbon	133	26- 7-20
Fyfe, Walter H.	Nelson, B.C.	142	26- 7-20
Ford, Allen	Michel, B.C.	146	1- 8-21
Fraser, Alex.	Carmangay	221	10- 9-30
Fawcett, Elmer S.	Cardiff	51	7- 8-36
Fox, Alfred A.	Canmore	63	13-11-37
Fridel, Stephen	Edmonton	59	30- 7-38
Fraser, William B.	Coleman	31	14- 7-43
Green, R.	Calgary	17	26- 4-04
Giffen, H. R.	Carbon	14	1905
Gilliland, William	Cardiff	61	17-12-10
Garbett, Richard	Corbin, B.C.	100	5-11-12
Garrett, John	Blairmore	123	31- 7-13
Givens, John	Wayne	99	8- 7-19
*Gate, Harry	Coleman	124	26- 7-20
Graham, John	Coaldale	157	1- 8-22
Gidman, Joseph H.	Taber	165	29-12-22
Gordon, Thomas	Drumheller	184	27- 5-25
Gilmour, John	Drumheller	222	9- 2-31
Goodwin, Geo. W.	Bellevue	2	26- 7-31
Goodwin, Wm.	Bellevue	9	26- 7-31
Greenhalgh, R. M.	Coleman	11	25- 7-32
Gotheridge, W. V.	Round Hill	43	24- 7-35
Goodwin, Albert E.	Bellevue	72	26- 8-38
Griffiths, Edward	Foothills	1	3- 8-40
Gladwin, Lewis C.	Saunders	22	18- 7-42
Grant, Alexander	Hillcrest	24	22- 7-42
Hall, Oliver	Bellevue	26	23-12-04
Harvie, Robert	Lethbridge	1	30- 5-06
Hutchinson, A. M.	Coleman	6	3- 1-07
Horne, Robert	Blairmore	12	26-12-07
Horswell, John	Edmonton	34	1- 2-09
Howells, Nathaniel	Wayne	55	25- 5-10
Hallworth, Albert	Bellevue	65	30- 1-11
Hamilton, Allan	Drumheller	78	21-12-11
Heeley, William G.	Calgary	80	22-12-11
Hill, James	Canmore	84	13- 1-12
Hutton, John	Edmonton	93	1-11-12
Hunter, Henry	Edmonton	102	7-11-12
Hughes, Daniel J.	Diamond City	110	13-11-12
Hartley, William	Bankhead	114	25-11-12
Hamilton, Allan	Drumheller (duplicate)	1	1- 4-14
Hunter, Charles	Beverly	4	18- 9-14
Hunter, Alexander B.	Drumheller	7	18- 9-14
Harries, Henry C.	Coleman	9	18- 9-14
Heathcote, Joseph	England	10	18- 9-14

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Hughes, William R.	Barnwell	13	6- 8-15
Halliday, George W.	Nanaimo, B.C.	31	22- 8-16
Hutton, David T.	Bellevue	44	10- 7-17
Hastings Andrew P.	Champion	62	5- 7-18
*Hulme, Charles	Rocky Mountain House	63	6- 7-18
Hargreaves, G.	Lethbridge	70	9- 7-18
Hutchison, P.	Ardley	102	10- 7-19
Hedges, Richard	Beverly	111	18- 7-19
Higney, John	Coalhurst	130	26- 7-20
Heap, Robert	Coalhurst	137	26- 7-20
Holmes, Robert	Coleman	144	6- 1-21
Hughes, John C.	Madrid	156	15-12-21
Hamilton, Joseph J.	Lethbridge	164	9- 9-22
Hall, James	Coal Creek, B.C.	190	26- 7-27
Hibbert, William J.	Dinant	191	26- 7-27
Harries, John	Wayne	213	23- 7-29
Hamilton, John	Delia	18	10- 8-32
Hulbert Havelock A.	Coleman	31	23- 7-34
Hamilton, Thomas M.	Blairmore	34	23- 7-34
Hooks, Albert	Drumheller	38	26- 7-34
Heyworth Ernest S.	Edmonton	45	2- 6-36
Hillary, Joseph	Bellevue	49	7- 8-36
Hill Ernest	Coleman	57	23- 8-27
Holliday, Thos.	Drumheller	71	17- 8-38
Henry, Wm. B.	Newcastle	76	9-11-38
Heidel, Herbert G.	Priddis	26	1- 8-41
Ironmonger, John	Hillcrest	60	5- 7-18
Jones, Samuel A.	Nanaimo, B.C.	18	26- 4-04
*Johnson, Moses	Blairmore	46	3-12-09
Jones, David	Edmonton	48	15-12-09
Jones, Peter	Drumheller	92	1-11-12
*Jordan, William	East Coulee	112	20-11-12
*James, William	Pocahontas	5	18- 9-14
Jackson, James	Bellevue	56	3- 7-18
Joberg, A. F.	Delia	68	9- 7-18
*Jones, C. E. R.	Cardiff	83	12-11-18
Jones, D.	Coalhurst	116	5- 9-19
Jones, Daniel	Edmonton	178	24- 7-24
*Jones, Iltiyd	Edmonton	197	1- 8-27
Jones, Elias	Coleman	16	25- 7-12
Johnstone Alexander	Edmonton	7	11- 7-41
Jones, John C.	Saunders	35	20- 7-43
Kerr, John	Lethbridge	33	6- 7-05
*Kellock, George	Coleman	39	27-11-09
Kellock, James	Coleman	82	30-12-11
Keith, John D.	Coalhurst	107	11-11-12
Kaye, Hershel	Pocahontas	129	31- 7-13
Kerr, W. R.	Carbon	115	2- 9-19
Kennedy, Joseph	Willow Creek	47	31- 7-36
Kubin, John J.	Coleman	32	14- 7-43
Livingstone, J. C.	Lethbridge	5	19-11-98
*Livingstone, Robert	Lethbridge	6	5- 6-99
Lowrie, Ralph	Frank	34	6- 7-05
*Lee, Robert J.	Esteven, Sask.	56	17-12-10
Luck, George	Bellevue	70	19-12-11
Letcher William M.	Bankhead	96	1-11-12
Leblanc, Emile	Taber	127	31- 7-13
Littler, Robert	Bankhead	6	18- 9-14
Lundy, James	Drumheller	53	17- 7-17
Larrair, Charles F.	Drumheller	74	12- 7-18
Lindoe, Luke	Coleman	170	1- 9-23
Littler, James	Michel, B.C.	200	12- 8-27
Lavis, George	Drumheller	218	10- 9-30
Lloyd, James H.	Blairmore	12	25- 7-41
Lister, Arthur A.	Cadomin	14	25- 7-41
Lamond, David	Evansburg	36	20- 7-43
*Musgrove, John	Canmore	2	15-11-98
*Musgrove, John	Canmore (duplicate)	9	25- 4-01
Musgrove, William	Canmore	32	6- 7-05
Miller, John K.	Drumheller	29	8- 4-05
Morris, John	Lundbreck	8	3- 1-07
Morgan, Daniel	Edmonton	17	10- 1-08
Moore, Thomas E.	Drumheller	47	11-12-09
Miard, Harry K.	Coal Creek, B.C.	64	16- 1-11
Munro William K.	Blairmore	76	21-12-11
Murphy, Peter J.	Drumheller	91	24- 8-12
Mather, Thomas	Luscar	106	11-11-12
Muir, David	Edmonton	108	11-11-12
Massey, Harry	Corbin, B.C.	116	25-11-12
Morgan, Owen	Saunders	121	29- 7-13
Mason, Samuel	Blairmore	130	31- 7-13
Mather, John	Edmonton	23	13- 9-15
Miller, Walter	Beverly	26	12- 8-16
Melling, Peter	Coalhurst	28	12- 8-16
Murray, J.	Coalhurst	90	3- 7-19

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Mossey, Thomas	Lethbridge	95	3- 7-19
Makin, J. W.	Hillcrest	103	15- 7-19
Marsh, E.	Wayne	113	25- 8-19
*Martin, R.	Taber	114	25- 8-19
Miller, John H.	Midlandvale	131	26- 7-20
Mackie, John	Bankhead	136	26- 7-20
March, John H.	Midlandvale	153	1- 8-21
Meyers, August	Drumheller	172	18-12-23
Mossey, Robert	Frank	173	16- 7-24
*Martin, Henry Sr.	Saunders West	203	29- 2-28
Miller, David	Mercoal	204	19- 7-28
Miller, John K.	Drumheller (duplicate)	210	24-11-28
Morgan, Evan H.	Edmonton	215	23- 7-29
Marsh, Walter	Edmonton	20	21- 9-32
Maievich, John (May)	Edmonton	26	29- 7-33
Morgan, Thos. E.	Hillcrest	27	22- 8-33
Moran, James	Edmonton	46	28- 7-36
Mayoh, Daniel	East Coulee	48	7- 8-36
Musgrove, Harry B.	Canmore	60	23- 8-37
Muir, Alexander	Alexo	67	27- 8-38
Miller, Henry	Burnis	75	13-10-38
Melling, Joseph	Lethbridge	82	25- 7-39
Mills, Basil	Shaughnessy	84	12- 8-39
Mrokwia, Victor Jr.	Canmore	2	3- 8-40
Mather, Richard	Edmonton	29	10- 8-42
Morrison, Neil A. P.	East Coulee	37	20- 7-43
Mather, John H.	Nanaimo	38	9- 9-43
*McVicar, Samuel	Frank	23	23-12-04
McKean, John W.	Lethbridge	24	23-12-04
McGregor, Alex.	Cardiff	1	20-12-05
*McKay, Donald	Bankhead	3	30- 5-06
McLenhan, John A.	Edmonton	33	1- 2-09
*McKelvie, Jas.	Hosmer, B.C.	43	29-11-09
McDonald, Duncan	Drumheller	60	17-12-10
McMillan, Donald	Pincher Creek	71	20-12-11
MacDonald, James A.	Bellevue	79	21-12-11
MacKay, Angus	Nova Scotia	81	26-12-11
McIntyre, John J.	Coleman	88	2- 3-12
McDonald, J. O. C.	Coleman	15	16- 8-15
McDonald, Hector S.	Coleman	17	16- 8-15
*McDonald, Noble M.	Bellevue	18	16- 8-15
McLellan, John A.	Mercoal	24	2-11-15
McFegan, William	South Wellington, B.C.	34	22- 8-16
McIntyre, John J.	Bellevue (duplicate)	41	9-12-16
MacDonald, J. H.	Nanaimo, B.C.	48	10- 7-17
McQueen, Andrew	Edmonton	71	9- 7-18
McKinnon, H. G.	Canmore	76	13- 7-18
MacAskill, Donald	Drumheller	77	16- 7-18
McKinnon, John L.	Coleman	80	26- 7-18
McLean, Michael D.	Michel, B.C.	122	26- 7-20
McCullough, Alex.	Coleman	143	10- 8-20
McLeod, Alexander	Drumheller	149	1- 8-21
McDonald, William	Drumheller	155	10-10-21
McKenna, Peter	Cadomin	161	1- 8-22
McGaw, Albert M. S.	Carmangay	171	15- 9-23
MacDonald, L. M.	Bellevue	217	10- 9-30
McDonald, Clyde P.	Bellevue	1	26- 7-31
McGregor, Thos. B.	Lethbridge	19	10- 8-32
McGowan, John M.	Newcastle	36	26- 7-34
McCutcheon, J. A.	Midlandvale	58	19- 8-37
McAndrew, J. M.	Calgary	64	19- 7-38
McMullen, Arthur	Nordegg	66	21- 7-38
McDonald, William I.	Willow Creek	9	12- 7-41
*Nicol, James	Frank	36	10- 2-09
Nanson, Thomas H.	Bellevue	40	25- 9-16
Nicol, George	Drumheller	46	10- 7-17
Nugent, Bernard	Camrose	73	11- 7-18
Novak, Mike	Milk River	32	23- 7-34
Ostheit, Gus	Cardiff	1	14-11-98
Oliphant, Joseph H.	Carbon	59	17-12-10
Oliphant, John T.	Medicine Hat	153	1- 8-21
Ostier, James	Taber	160	1- 8-22
Ottewell, William J.	Clover Bar	176	16- 7-24
Ottewell, Cedric P.	Clover Bar	193	6- 8-26
Oakes, Robert	Blairmore	17	25- 7-32
*Phillips, Chas.	Frank	20	26- 4-04
Pearson, W. G.	Frank	15	26- 4-04
Parsons, T. Lloyd	Edmonton	26	21- 3-08
Pickles, William	Edmonton	35	1- 2-09
Prentice, John	Virginia, U.S.A.	45	2-12-09
Park, Stewart G.	Lethbridge	57	17-12-10
Parker, Levi	Cardiff	68	28- 4-11
Powell, Albert E.	Lundbreck	85	16- 1-12
Parry, Thomas	Coleman	109	12-11-12
Picton, Daniel	Aerial	118	10- 2-13

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Penman, John S.	Rosenroll	120	29- 7-13
*Pavier, Evan L.	Edmonton	37	30- 8-16
Puckett, Owen L.	Robb	50	17- 7-17
Park, William	Bellevue	65	6- 7-18
Pemberton, Geo. W.	Edmonton	97	3- 7-19
Peacock, Charles	Coalhurst	138	26- 7-20
Prendergast, Denis	Nova Scotia	188	26- 7-26
Pettigrew, Robert	Corbin, B.C.	30	27- 4-34
Potter, I. N.	Nacmine	44	15- 8-35
Parker, Jack	Cardiff	52	6- 8-36
Price, Stanley R.	Blairmore	79	25- 7-39
Peta, Julius	Hardieville	90	23-10-39
Park, Angus	Edmonton	15	28- 7-41
Quigley, Daniel H.	Drumheller	73	20-12-11
Queen, Andrew M.	Lethbridge	124	31- 7-13
Quin, James	East Coulee	23	29- 7-33
Rice, Awrey	Edmonton	2	20-12-05
Roberts, D. E.	Coleman	14	10- 1-08
Rankin, George	Michel, B.C.	41	29-11-09
*Roberts, E. I.	Edmonton	52	12- 3-10
Ramsey, Peter M.	East Coulee	86	24- 2-12
*Roberts, E.	Rosedale	87	2- 3-12
Richards, Samuel	Bellevue	98	5-11-12
Roberts, John	Cadomin	12	26-10-14
Russell, John	Alix	29	12- 8-16
Robinson, William	British Columbia	30	22- 8-16
Rawlinson, R.	Cadomin	32	22- 8-16
Richards, Evan	Edmonton	59	3- 7-18
Roberts, G.	Lethbridge	79	23- 7-18
Roberts, D. O.	Cardiff	86	2- 7-19
Reed, Edward	Drumheller	135	26- 7-20
*Radford, James	Bellevue	140	26- 7-20
Redpath, James	Wayne	147	1- 8-21
Ruffell, Alfred	Lethbridge	180	11- 8-24
Rees, Daniel	Blairmore	189	26- 7-26
Rappel, Thomas	Canmore	206	19- 7-28
Rolfe, E.	British Columbia	211	4- 2-29
Robertson, Duncan	Drumheller	29	10- 3-34
Rear, Albert E.	Coleman	56	15-12-36
Rochester Jasper J.	Hinton	78	20- 7-39
Riordan, Leo	Canmore	19	17- 7-42
*Scott, Hugh	Lethbridge	7	9- 3-00
Steele, Thomas	Coleman	12	26- 4-04
Sequin, Joseph A.	Estevan, Sask.	22	16- 4-04
Sparrow, Edwin	Tawatinaw	7	3- 1-07
*Shone, Samuel	Coleman	23	23- 1-08
*Shaw, William	Edmonton	21	18- 1-08
Scott, Andrew N.	Luscar	19	10- 1-08
Stewart, J. M.	Nordegg	50	24-12-09
Sivon, William	East Coulee	40	29-11-09
Sloan, Thomas W.	Burnis	67	2- 3-11
Shaw, Thomas J.	Hinton	75	21-12-11
Strickland, Thomas	Three Hills	101	5-11-12
Scott, Alexander	Pecahontas	103	7-11-12
Schmidt, Otto P.	Camrose	115	25-11-12
Shanks, David	Nordegg	117	7-12-12
Stephenson, Joseph	Bellevue	135	31- 7-13
Stephenson, Thomas	Bellevue	136	31- 7-13
Smith, Thomas E.	Montana, U.S.A.	39	14- 9-16
Simpson, William G.	British Columbia	45	10- 7-17
Stevenson, John	Glasgow, Scotland	47	10- 7-17
Sinclair, James	Drumheller	81	7- 8-18
Sandino, J. A.	Drumheller	91	3- 7-19
Stratton, J. M.	Redcliff	94	3- 7-19
Saunt, James	Drumheller	123	26- 7-20
Steele, Francis M.	Pincher Creek	125	26- 7-20
*Scott, Frederick G.	Brule	128	26- 7-20
Scarpino, F.	Wayne	121	26- 7-20
Shaw, William G.	Kimberley	177	24- 7-24
Shaw, Joseph H.	Kimberley	196	22- 9-26
Smith, Terrence	Beverly	205	19- 7-28
Swan, John	Edmonton	12	25- 7-32
Strang David	Mountain Park	15	25- 7-32
Sutherland, S. R.	Bellevue	28	22- 8-33
Smith, Peter	Coleman	39	13- 8-34
Strickland, Thos.	Three Hills (duplicate)	54	16-10-36
Samis, Earl L.	Namao	62	30- 9-37
Shaw, Robert	Coleman	70	2- 8-38
Sinoski, Steve	Edmonton South	80	25- 7-39
Sarsfield, Wm.	East Coulee	83	28- 7-39
Simmons, Harry	Mountain Park	89	14- 9-39
Scarpino, Eugene M.	Rosedale	5	4- 9-40
Strickland, William	East Coulee	11	14- 7-41
Stevenson, Robert	East Coulee	13	25- 7-14
Shearer, John C.	Hillcrest	33	20- 7-43

THE MINES BRANCH

List of Names of Holders of Second Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
*Thomas, David	Bankhead	28	8- 4-05
*Teppo, Herman	Bellevue	15	10- 1-08
Thomas, John	Diamond City	30	8- 1-09
Thain, Harry S.	Lethbridge	32	12- 1-09
*Thomas, Jos. D.	Drumheller	37	25-11-09
*Taylor, Thomas	Hillcrest	62	22-12-10
Taylor, Geo. Warren	Lethbridge	83	30-12-11
Thomas, John	Frank	89	25- 3-12
Tonge, Thomas	Lundbreck	90	1- 6-12
Thompson, Joseph	Coleman	97	1-11-12
Thomas, Isaac	Coleman	131	31- 7-13
Tennant, Robert	East Coulee	58	3- 7-18
Tully, Thomas	Fernie, B.C.	75	12- 7-18
Thompson, T.	Coleman	87	2- 7-19
*Turner, J. H.	Coalhurst	89	2- 7-19
Taylor, C. M.	Edmonton	118	1-10-19
Thomason, C.	Blairmore	119	12-11-19
Thomas, Isaac	Coleman (duplicate)	120	2- 1-20
Turner, Leonard	Nordegg	132	26- 7-20
Thomson, Andrew R.	East Coulee	159	1- 8-22
Thomson, George G.	Lethbridge	163	9- 9-22
Turner, Leonard	Nordegg (duplicate)	179	11- 8-24
Talbot, W. J.	Edmonton	207	29- 7-28
Thackray, Fred	Lethbridge	208	29- 7-28
Thomson, John	Edmonton	4	26- 7-31
Thomson, James	Namao	6	27- 7-31
Touhey, J. B.	Drumheller	22	6- 5-33
Tyler, Edward	Shaughnessy	61	27- 8-37
Thomas, David R.	Edmonton	73	3- 9-38
Tyler, Harold	Lethbridge	87	12- 8-39
Trevethin, Mark	Wayne	3	3- 8-40
Thompson, Joseph	Carbon	91	9- 1-40
Tiberg, A. J.	Blairmore	34	20- 7-43
*Unsworth, Robert	Hanna	36	30- 8-16
Utley F. W.	Bellevue	108	16- 7-19
Villard, Henry	Wabamun	181	11- 8-24
Vivyrurka, John	Mercoal	21	28- 9-32
Williams, Thomas H.	Vancouver, B.C.	8	20- 7-00
Waite, Archibald	Taber	10	26- 4-04
*Weatherby, Cory	Hillcrest	11	6-11-02
Wilson, William G.	Tacoma, Wash.	3	20-12-05
Whitelaw, Thomas	Lethbridge	25	24- 2-08
Watters, John	Banff	22	18- 1-08
Watkins, W. E.	Champion	20	18- 1-08
*Watson, William	Big Valley	13	26-12-07
*Wright, J. S.	Canmore	38	27-11-09
Winter, Archibald	Edmonton	63	16- 1-11
Watters, A. G.	Pocahontas	95	1-11-12
*Welch, James D.	Taber	113	20-11-12
Williams, John J.	Edmonton	11	18- 9-14
Worthington, Thomas	Lethbridge	69	9- 7-18
Worthington, W. T.	Edmonton	92	3- 7-19
Williams, W. E.	Edmonton	96	3- 7-19
Watkins, J. M.	Taber	106	15- 7-19
Williams, Albert	Edmonton	134	26- 7-20
Willets, Frederick	Hillcrest	148	1- 8-21
Wilson, Robinson	Drumheller	151	1- 8-21
Williams, Arthur E.	Saunders	162	1- 8-22
Williamson, David S.	Camrose	199	5- 8-27
Westcott, Henry M.	Wayne	201	10- 9-27
Whitehead, J. W.	Blairmore	216	5- 9-29
Wheatley, F. M.	Banff	3	26- 7-31
Wiltse, Donald H.	Edmonton	5	26- 7-31
Womersley, Alfred	Blairmore	25	29- 7-33
Webster, James S.	Shaughnessy	88	17- 8-39
Welsh, Edwin L.	Lethbridge	10	12- 7-41
Yard, George C.	Nordegg	150	1- 8-21
Young, D. B.	Bellevue	186	24- 7-25
Young, Charles	Bellevue	23	22- 7-42

*Deceased.

List of Names of Holders of Third Class Certificates

*Anderson, J.	Frank	13	
*Alderson, R. D.	Coleman	17	3- 1-07
Aspinall, Francis	Drumheller	32	30- 5-07
Ashurst, W.	Coleman	82	26- 8-09
Adlam, William	Hillcrest	108	2- 6-10
Archer, Roland	Hillcrest	132	22-12-10
Allen, William C.	Wayne	205	10- 8-12
Archibald, David	Bickerdike	222	25-11-12
Allan, Alexander M.	Hosmer, B.C.	247	31- 7-13

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Adams, Thomas H.	Beverly	16	10- 3-14
Anderson, Andrew	Bellevue	39	17- 6-14
Atherton, Edward	Sheerness	40	14- 7-14
Appleton, John T.	Mountain Park	76	19- 4-15
Ashton, William	Hinton	90	27- 8-15
Anderson Hugh W.	Edmonton	150	7- 7-17
Ashman, Alfred	East Coulee	151	7- 7-17
Armstrong, John	Castor	171	17- 7-17
Armstrong, Peter M.	Nordegg	224	8- 6-18
Arbuckle, John	Mountain Park	263	26- 6-19
*Anderson, Peter B.	Mountain Park	264	26- 6-19
Allen, Edgar	Wayne	436	29- 8-21
Antrobus, Fred	Coleman	461	31- 7-22
Ambrossi, Antonio	British Columbia	478	1- 8-22
Astley, David	Luscar	483	1- 8-22
Anderson, Robert	Drumheller	638	17- 8-26
Anderson, Gunner W.	Evansburg	650	1- 8-27
Aitken, William	Mountain Park	668	24- 3-28
Allanby, Chas. H.	Foothills	679	19- 7-28
Armstrong, Alex.	Drumheller	697	16- 8-28
Armstrong, John	Castor	719	7- 6-29
Allen, Thos. G.	Blairmore	765	4- 6-30
Alexander, Wm.	Bellevue	8	26- 7-31
Annon, Joseph L.	Winnifred	65	25- 6-32
Ashmore, Jas. Jr.	Champion	108	15- 6-33
Appleby, Wm. S.	Canmore	117	6- 7-23
Adamson, Robert	Huxley	157	12- 6-34
Augustin, Ernest C.	Grande Prairie	164	19- 6-34
Aitchison, Peter	Lethbridge	230	22- 6-36
Adamson, Alexander	Perbeck	231	22- 6-36
Atkinson, Chas. W.	Drumheller	249	3- 6-37
Anderson, Robert	Drumheller	258	23- 6-37
Anderson, Arne	Elnora	313	4- 7-38
Allen, Walter F.	Wayne	315	4- 7-38
Allan, William H.	Drumheller	347	8- 6-39
Andrew, Alfred	Edmonton	355	8- 6-39
Ashacker, Martin	Blairmore	1	3- 8-40
Allen, William H.	Drumheller (duplicate)	409	14- 9-40
Ainsworth, John H.	Halkirk	29	25- 7-41
Anderson, Robert	Drumheller	37	20- 4-42
Annon, Joseph L.	Bow Island (duplicate)	69	3-11-43
Bastian, T. W.	Clover Bar	30	5-12-04
Barber, J.	Bankhead	7	3- 1-07
Bansemir, R.	Bankhead	14	3- 1-07
Blake, P.	Lundbreck	23	14- 5-07
Brown, T.	Edmonton	24	14- 5-07
*Brownrigg, John H.	Frank	35	26-12-07
Burrows, C.	Frank	40	18- 1-08
Boulton, W. E.	Drumheller	48	29- 5-08
*Brovey, A. C.	Edmonton	64	1- 2-09
Besso, A.	Canmore	80	26- 7-09
Barnes, B. J.	Coal Creek, B.C.	92	29-11-09
Brisco, Daniel	Luscar	117	9- 6-10
Blake, Henry	Bellevue	133	30-12-10
Bradley, Thomas	Bellevue	138	16- 1-11
Barber, James S.	Hillcrest	144	3- 7-11
Bovio, Michael	Bellevue	146	3- 7-11
Brown, Alan J.	Coleman	163	17-11-11
Berford, Edward	Eican	196	13- 7-12
Blakemore, Royden E.	Edmonton	227	16-12-12
Bainbridge, James	Nanaimo, B.C.	235	31- 7-13
Baird, John	Blairmore	243	31- 7-13
Beal, George F.	Bellevue	7	20-12-13
Byron, John	Coalhurst	11	10- 3-14
Brearley, Garnet	Turin	18	16- 3-14
Barclay, William	Drumheller	22	13- 3-14
Brown, John F.	Pocahontas	29	21- 4-14
Barclay, W. G.	Pocahontas	30	23- 4-14
Byers, John W.	Taber	48	25-11-14
Billington, Edward E.	England	73	25- 2-15
Booth, George	Beverly	85	18- 8-15
Boldon, James	Bellevue	86	19- 8-15
Bell, William	Coleman	95	12-10-15
Brown, Robert	Bellevue	112	10- 7-16
Bateman, Fred	Sheerness	123	14- 7-16
Barnes, Edward	Mountain Park	137	25- 9-16
Badham, Thomas	Drumheller	153	7- 7-17
Beveridge, Andrew	Lucky Strike	156	7- 7-17
Brown, David M.	Commerce	157	7- 7-17
Brooks, Burton T.	Drumheller	167	17- 7-17
Bartlett, Wallace	Eican	173	17- 7-17
Bennett, Isaac	Armada	179	17- 7-17
Blair, John	Wayne	183	25- 7-17
Bobrovicki, Martin	Drumheller	217	5- 6-18
Baird, William	Drumheller	218	5- 6-18

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Brooks, Claude E.	Drumheller	220	8- 6-18
*Blusson Joseph T. C.	Champion	253	26- 6-19
Briggs, Alfred J.	Carbon	254	26- 6-19
Brennan, John	Long Coulee	261	26- 6-19
Brown, Frank	Coal Creek, B.C.	262	26- 6-19
Birse, Alexander	Coalhurst	268	26- 6-19
Bateman, James	Lethbridge	279	26- 6-19
Bealle, Fred A.	Brule	285	26- 6-19
Ball, Alfred	Natal, B.C.	292	20-11-19
Bland, H. A.	Taber	296	3- 2-20
Briggs, Charles	Canmore	302	26- 7-20
Babino, Arthur	Bankhead	312	26- 7-20
Barclay, R. W.	Drumheller	313	26- 7-20
Beveridge, Andrew	Coleman	314	26- 7-20
Bainbridge, G. E.	Nordegg	343	26- 7-20
Bambridge, George	Hillcrest	345	26- 7-20
Burcey, A.	Calgary	352	26- 7-20
Bird, Richard	Nordegg	357	26- 7-20
Barringham, F. J.	Rosedale	362	26- 7-20
Baxter Robert	Canmore	374	17- 6-21
Brown, Thomas W.	Edmonton	377	1- 8-21
Battee, Noyes S.	Drumheller	381	1- 8-21
Blas, Emile	Bellevue	382	1- 8-21
Blake, Sylvanus R.	Wayne	384	1- 8-21
Barnes, Thomas	Blairmore	387	1- 8-21
Boyd, John	Wayne	390	1- 8-21
Barrie, James	Commerce	401	1- 8-21
Briggs, William A.	Carbon	414	1- 8-21
Bedwell, Alfred E.	Lethbridge	415	1- 8-21
Brooks, John	Bellevue	428	1- 8-21
Brown, George A.	Michel, B.C.	432	29- 8-21
Burton, John T.	Edmonton	448	21- 7-22
Birt, William C.	Evansburg	452	31- 7-22
Barnes, Ernest	Coleman	453	31- 7-22
Baker, Robert W.	Coleman	456	31- 7-22
Bradley, Walter	Cardiff	490	1- 9-22
Brooks, George W.	Edmonton	499	1-11-22
Brown, Austin L.	Edmonton	510	30- 5-23
*Barnes, John W.	Coleman	512	30- 6-23
Boscariol, J.	Mountain Park	521	17- 8-23
Brewer, Thomas W.	Drumheller	529	17- 8-23
Bonner, Fred	Evansburg	542	1- 9-23
Barrowman, Alexander	Nordegg	548	15- 9-23
Burton, William H.	Entwistle	553	1-11-23
Brown, Clarence H.	Drumheller	554	15-11-23
Boutry, A.	Bellevue	557	4-12-23
Burnham, George	Fallis	560	18-12-23
Brown, Richard G.	Cadomin	589	20- 7-25
Burrell, John	Coleman	607	25- 7-25
Burrows, James G.	Bellevue	617	14-10-25
Balkwill, Frederick W.	Hillcrest	631	30- 7-26
Booth, Harry	Beverly	654	12- 8-27
Burton, James	Robb	670	19- 7-28
Brown, William	Canmore	676	19- 7-28
Bradshaw, James	Scapa	690	16- 8-28
Bailey, Leonard H.	Coalhurst	699	16- 8-28
Broderick, Frederick	Drumheller	702	24-10-28
Bevan, Walter	Canmore	721	7- 6-29
Boughton, C. A.	Rosedale	755	12-11-29
Boseley, Joseph H.	Bellevue	780	10- 6-30
Barber, William J.	Drumheller	781	10- 6-30
Blas, Victor	Blairmore	787	14- 6-30
Burrell, Archie K.	Drumheller	793	3- 7-30
Bell, William	Canmore	798	8- 8-30
Birrell, William	Robb	1	29- 1-31
Barrass, Thomas	Wayne	40	27- 7-31
Baker, R. D.	Luscar	41	27- 7-31
Barons, James	Drumheller	48	3- 8-31
Brown, Frederick	Edmonton	58	2- 6-32
Blades, James	Delburne	62	25- 6-32
Bonetti, D.	Champion	73	25- 6-32
Barclay, Daniel	Sundre	89	23- 9-32
Blas, Emil	Blairmore	91	22-10-32
Booth, Joseph	Drumheller	98	10- 6-33
Bradley, James	Foreman	103	10- 6-33
Bond, Bertram	Coleman	106	15- 6-33
Beveridge, John S.	Midlandvale	122	29- 7-33
Brown, J. D. B.	Mountain Park	129	26- 8-33
Blackett, W. N.	Drumheller	131	15-10-33
Budda, Joseph J.	Bellevue	145	5- 6-34
Bordula, Andrew J.	Hanna	160	16- 6-34
Baroni, Alfred	Edmonton	166	27- 6-34
Bignell, Emford L.	Gadsby	170	26- 7-34
Black, Andrew Jr.	Rosedale Station	184	17- 1-35
Brown, John	Canmore	185	20- 2-35

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Bridarolli, G.	Magrath	203	8- 7-35
Bradgich, George	Thelma	207	24- 7-35
Bradshaw, Richard	East Coulee	209	26- 7-35
Broderick, Gideon	Canmore	221	10- 3-36
Budesheim, August E.	Dimsdale	238	20- 8-36
Batchelor, Frank	Lethbridge	275	10- 9-37
Barnes, George S.	Mountain Park	290	8- 6-38
Bulat, John	Edmonton	291	8- 6-38
Briers, Leonard	Red Deer	317	8- 7-38
Boychuk, Michael T.	Shaughnessy	324	12- 8-38
Barclay, Peter	Foothills	332	7- 9-38
Blum, Leo	Lymburn	336	19- 9-38
Bryant, E. A.	Wabamun	337	1-10-38
Briggs, Wm. A. Jr.	Drumheller	346	8- 6-39
Bachynski, John	Newcastle	348	8- 6-39
Blake, Robert	Bellevue	391	22- 8-39
Blake, Raymond	Bellevue	408	29- 2-40
Batty, George	Nordegg	3	3- 8-40
Brinkman, Alfred T.	Craigmyle	16	13- 1-41
Bianchini, Armand	Hillcrest	59	20- 7-43
Beveridge, James	Nordegg	65	30- 7-43
Barton, John S.	Nordegg	68	25-10-43
Cowan, W.	Bankhead	4	15- 11-98
Chestnut, C.	Blairmore	28	26- 4-04
Churchill, J.	Frank	45	18- 4-05
Cawthorne, L.	Frank	46	18- 4-05
Chestnut, C.	Blairmore (duplicate)	28	6- 7-05
Catchpole, C.	Three Hills	2	30- 5-06
Cooke, J.	Bankhead	4	30- 5-06
*Clark, J. C.	Blairmore	33	18- 7-07
Clyne, James	Edmonton	65	1- 2-09
Cole, J. J.	Canmore	66	1- 2-09
Campbell, Kenneth S.	Edmonton	102	27- 1-10
Clemenson, John	Bankhead	105	30- 5-10
Carson, James	Coalhurst	120	21- 6-10
Crockett, Levi A.	Hillcrest	131	22-12-10
Coupland, George	Bellevue	148	4- 7-11
Carson, George	Frank	154	8- 7-11
Crawford, George	Frank	160	17-11-11
Combs, Walter P.	Taber	164	17-11-11
Coupland, Edward	Cadomin	173	17-11-11
Cox, John	Toronto	193	13- 7-12
Crawford, John	Edmonton	197	13- 7-12
Coutts, George	Lethbridge	210	26-10-12
Clark, Robert	Lethbridge	212	31-10-12
Cranston, Michael	Drumheller	218	11-11-12
Crawford, William	Lethbridge	8	6- 3-14
Coutts, David	Hardieville	23	30- 3-14
Crabb, S. A. B.	Lethbridge	38	28- 5-14
Chaplow, Joseph	Lethbridge	49	25-11-14
Clarke, Robert G.	Drumheller	70	16- 2-15
Campbell, John H.	Canmore	71	16- 2-15
Coxon, Thomas	Nacmine	89	27- 8-15
Convery, Dennis	Coleman	107	10- 7-16
Cooper, John A.	Lethbridge	166	10- 7-17
Coutts, Anthony B.	Hardieville	178	17- 7-17
Campbell, Henry	Bellevue	188	13- 8-17
Cartwright, Chas. E.	Blairmore	198	4- 4-18
Cousens, Gilbert W.	Bellevue	199	4- 4-18
Collins, Sidney G.	Edmonton	219	5- 6-18
Chapman, Christopher	Drumheller	232	12- 6-18
Campbell, George P.	Nordegg	229	8- 6-18
Chambers, Ralph H.	Lovett	246	25- 6-19
Campbell, Thomas	Alexo	247	25- 6-19
Conley, Leroy L.	Saunders	260	26- 6-19
Chalmers, James	Edmonton	278	26- 6-19
Carr, Thomas	Cadomin	283	26- 6-19
Clark, John	Bankhead	301	26- 7-20
*Gongalton, Clem S.	Vancouver, B.C.	315	26- 7-20
Cameron, Donald	Coalspur	331	26- 7-20
Cotterill, John	Rosedale	346	26- 7-20
Crawford, George	Bellevue (duplicate)	365	26- 7-20
Candlish, W. S.	Brule	366	26- 7-20
Causey, Thomas	Taber	403	1- 8-21
Craig, James M. S.	Nordegg	413	1- 8-21
Clelland, William	Lethbridge	421	1- 8-21
Curry, John	Passburg	439	3-11-21
Chalmers, Robert	Edmonton	454	31- 7-22
Cowan, James	High River	459	31- 7-22
Congdon, Milton H.	Blairmore	476	1- 8-22
China, John	Nordegg	480	1- 8-22
Cardle, James	Bellevue	481	1- 8-22
Clarke, Richard	Hillcrest	500	1-11-22
Clelland, Thomas	Edmonton	574	24- 7-24
Crichton, Robert	Hillcrest	516	17- 8-23

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Carty, Patrick	Evansburg	595	20- 7-25
Canet, Camille A.	Blairmore	601	25- 7-25
Crawford, Robert	Lethbridge	619	21-10-25
Chavignaud, Louis G.	Hinton	626	26- 7-26
Crawford, Charles	Edmonton	647	1- 8-27
Conlin, Richard	Drumheller	656	14- 8-27
Crawford, James	Clover Bar	662	10- 9-27
Cumberford, James	Drumheller	672	19- 7-28
Cartledge, George F.	Aerial	673	19- 7-28
Carmichael, Malcolm	Canmore	684	1- 8-28
Colbourne, J. H.	Drumheller	710	1- 5-29
Currie, Robert	Canmore	715	7- 6-29
Christie, Joseph	Bellevue	731	17- 6-29
Clack, Robert W.	Drumheller	740	17- 6-29
Castella, Jens	Standard	743	5- 7-29
Clancy, James	Craigmyle	28	3- 8-31
Chisholm, John A.	Luscar	37	22- 8-31
Clyne, James M. Jr.	Edmonton	45	26- 8-31
Challenger, Edward J.	Magrath	86	24- 8-32
Cowan, Robert	Drumheller	92	22-10-32
Campbell, James	Cluny	107	15- 6-33
Crozier, John E.	Drumheller	128	26- 8-33
Comin Silvio	Bellevue	148	5- 6-34
Calderbank, J. S.	Scapa	155	12- 6-34
Chamberlain, William H.	Coleman	162	19- 6-34
Craig, Andrew	Coalhurst	169	26- 7-34
Courtorelle, Alan F.	Drumheller	171	13- 8-34
Chiswick, James	Gadsby	175	27- 8-34
Clozza, Angelo	Newcastle	193	10- 6-35
Chemotti, Guiseppe	Lethbridge	239	25- 8-36
Chapman, John W.	Mountain Park	245	31- 5-37
Crawford, Hugh	Lethbridge	266	13- 7-37
Camarta, John	Bittern Lake	287	8- 6-38
Cumberford, Granger	Drumheller	289	8- 6-38
Campbell, Harry B.	Forestburg	303	22- 6-38
Colonel, Daniel	Edberg	318	14- 7-38
Crawford, John S.	Alix	333	7- 9-38
Curry, John	Hillcrest	368	22- 6-39
Cherrille, Orlando	Edmonton	371	22- 6-39
Campkin, Robert	Lousana	384	20- 7-39
Cooke, Chas. R.	Willow Creek	395	10- 9-39
Craig, Robert T. S.	Nordegg	4	3- 8-40
Chalmers, Robert	Edmonton	15	26-11-40
Chesney, Samuel	Cadomin	43	17- 7-42
Celli, Jerry J.	Coleman	46	18- 7-42
Carr, John R.	Cadomin	62	20- 7-43
*Davies, W. J.	Edmonton	16	25-11-03
*Downs, T.	Canmore	24	25-11-03
Duggan, R. G.	Taber	27	26- 4-04
Davies, T.	Frank	49	18- 4-05
Downs, T.	Canmore (duplicate)	6	6-10-06
Dickson, S.	Commerce	18	3- 1-07
Devonshire, G.	Canmore	31	23- 5-07
Duggan, E. J.	Taber	41	18- 1-08
Davies, T. O.	Calgary	109	2- 6-10
Davidson, David	Coleman	170	17-11-11
Doodson, Robert	Coal Creek, B.C.	177	17-11-11
Duthie, Alexander F.	Pocahontas	184	28-11-11
*Digman, John H.	Royal View	198	13- 7-12
Duncan, Ninian S.	Dodds	211	31-10-12
Draper, Robert	Hillcrest	214	1-11-12
Dennis, Frederick W.	England	3	28-11-13
D'Altroy, Arthur C.	British Columbia	6	1-12-13
Devoy, William	Hardieville	9	6- 3-14
Dean, William	Bankhead	20	20- 3-14
Duggan, John	Wayne	97	12-10-15
Douglas, D. B.	Edmonton	129	26- 7-16
Davis, William	Mountain Park	192	7-11-17
Dunnigan, Edward	Evansburg	216	1- 6-18
Davies, J.	Drumheller	222	8- 6-18
Dawes, Edmund	Coleman	265	26- 6-19
Dupen, Thomas	Edmonton	275	26- 6-19
Dunlop, Hugh	Coleman	321	26- 7-20
Dunn, W. P.	Edmonton	347	26- 7-20
Dryburgh, W. W.	Nordegg	356	26- 7-20
Dieter, Walter J.	Sheerness	397	1- 8-21
Davey, George	Wayne	418	1- 8-21
Dunn, Samuel	Taber	441	15-12-21
Deere, Gladstone E.	Blackstone	449	21- 7-22
D'Amico, George	Nordegg	486	1- 8-22
Davies, John C. H.	Coalmont, B.C.	492	1- 9-22
Dudley, John T.	Hillcrest	493	1- 9-22
Davidson, Albert M.	Dodds	517	17- 8-23
Desson, Horace E.	Rosedale	526	17- 8-23
Driscoll, L.	Evansburg	560	24- 7-24

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Dawson, Glen	Brule	573	24- 7-24
Dunbar, Edgar J.	Canmore	575	1- 8-24
Dunn, Charles F.	Drumheller	604	25- 7-25
Dupen, Albert E.	Lethbridge	616	14- 8-25
Davis, Fred M.	Jeffrey	619	28- 9-25
Dutton, Joseph A.	Mountain Park	623	26- 7-26
Donnachie, John	Brule	630	26- 7-26
Dixon, John O.	High River	698	16- 8-28
Davis, D. B.	Midlandvale	730	10- 6-29
Davies, James	East Coulee	784	10- 6-30
Dutka, Joseph	Canmore	794	3- 7-30
Dalziel, William	Clover Bar	14	26- 7-31
Davies, W. E.	Hillcrest	16	26- 7-31
Denholm, James	Mercoal	17	26- 7-31
Davidson, Robert M.	Coleman	33	26- 7-31
Davies, Richard	Luscar	42	26- 7-31
Dinsdale, Wm.	East Coulee	61	2- 6-32
Donaldson, Thomas	Shaughnessy	64	25- 6-32
Davies, E. M.	Wayne	95	25- 5-33
Davies, G. C.	Lundbreck	114	3- 7-33
Dutton, Alfred	Mountain Park	121	29- 7-33
Dixon, W. B.	High River	179	10- 9-34
Darbyshire, Harry	Drumheller	183	18-12-34
Droppo, Wm.	Midlandvale	208	26- 7-35
Douglas, Peter S. Jr.	Cadomin	233	22- 6-36
Dunbar, Robert	Hinton Trail	272	16- 8-37
Duquesne, George G.	Champion	306	22- 6-38
Dunn, Robert A.	Willow Creek	322	8- 8-38
Davies, Ernest	Big Prairie	326	26- 8-38
Dolan, Iggie	Three Hills	361	22- 6-39
Dobson, Roy C.	Lethbridge	2	3- 8-40
Damico, Zupito	Nordegg	8	3- 8-40
Duncan, David R.	Alexo	24	15- 7-41
Driega, William	Cadomin	61	20- 7-43
*Eccleston, W.	Michel, B.C.	20	3- 1-07
Evans, H.	Taber	94	3- 1-07
Evans, D.	Frank	83	3- 9-09
Evans, Hugh	Lethbridge	156	12- 7-11
Embree, Merton B.	Evansburg	239	31- 7-13
Evans, Nathaniel	Passburg	54	27-11-14
Evans, Llewellyn	Coleman	152	7- 7-17
Excoffon, Eugene	Bellevue	155	7- 7-17
*Eno, John W.	Drumheller	223	8- 6-18
Eccleston, Richard	Bellevue	243	26- 6-19
Evans, Thomas O.	R.R. 2, Millet	244	26- 6-19
Evans, Gwilym	Blairmore	308	26- 7-20
Evans, Charles	Hillcrest	327	26- 7-20
Eccleston, J. W.	Mountain Park	330	26- 7-20
Evans, William	Drumheller	360	26- 7-20
Evans, Thos. L.	Calgary	367	1-11-20
Evans, James D.	Drumheller	383	1- 8-21
Entwistle, Albert V.	Kipp	471	31- 7-22
Eccleston, Thomas	Mountain Park	475	31- 7-22
Eckert, William	Sedalia	539	17- 8-23
Elkes, F. W.	Newcastle	724	7- 6-29
Evans, H.	Mountain Park	750	5- 9-29
Edwards, John	Cadomin	32	26- 7-31
Evans, David E.	Luscar	46	26- 7-31
Ewing, Fred	Donalda	97	10- 6-33
Edwards, O. E.	Cadomin	115	3- 7-33
Evans, I. L.	Blairmore	196	18- 6-35
Emblau, Archie A.	Mountain Park	268	13- 7-37
Elliott, James	Drumheller	277	26-10-37
Evans, Evan	Taber	362	22- 6-39
Emmerson, Chas. A.	Bellevue	5	3- 8-40
Eskeland, Arthur	Champion	21	12- 7-41
Fairhurst, H.	Lethbridge	39	23-12-04
Ferguson, C. J.	Edmonton	4	20-12-05
Fraser, J.	Coleman	8	3- 1-07
Fowers, C. W.	Canmore	50	29- 5-08
Fox, A.	Carbon	55	8- 1-09
Fiske, G. E.	Edmonton	88	27-11-09
Fisher, Samuel	Passburg	169	17-11-11
Ford, Allen	Burnis	183	28-11-11
Foster, William	Robb	31	28- 4-14
Ferguson, John	Commerce	34	23- 5-14
Fyfe, Walter H.	Nelson, B.C.	79	19- 8-15
Fishwick, Thomas	Stettler	98	12-10-15
Foster, James	Lethbridge	174	17- 7-17
Fisher, William J.	Bellevue	186	17- 7-17
Fisher, James	Bellevue	194	3- 4-18
Fisher, Ernest	Bellevue	256	26- 6-19
Fraser, Alec	Carmangay	274	26- 6-19
Fraser, James	Carbon (duplicate)	286	25- 8-19
France, Harry	Calgary	288	8-10-19

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Flynn, Thomas E.	Coleman	306	26- 7-20
Ford, George C.	Drumheller	310	26- 7-20
Fudge, George H.	Foothills	311	26- 7-20
Fisher, Harry	Hillcrest	338	26- 7-20
Fourneau, Jean F.	Bellevue	396	1- 8-21
Ferryman, Henry	Corbin, B.C.	447	16- 6-22
Foster, Richard	Edmonton	502	29-12-22
Fleming, Nelson	Coleman	550	1-11-22
Fulton, James	Champion	652	12- 8-27
Fry, N.	Donalda	752	5- 9-29
Fox, A. A.	Canmore	808	29-10-30
Finkbiner, Henry	Scapa	30	26- 7-31
Foster, Cyril E.	Rocky Mountain House	60	2- 6-32
Fridel, Stephen	Barrhead	63	25- 6-32
Foye, Edward B.	Delia	93	1-11-32
Forshaw, Richard	East Coulee	138	26- 1-34
Fisher, Samuel	Drumheller	139	26- 1-34
Fawcett, Elmer S.	Cardiff	150	9- 6-34
Farmer, James	Drumheller	176	27- 8-34
Farmer, Eli	Drumheller	189	10- 6-35
Fisher, John M.	Chin	190	10- 6-35
Fregren, Eric	Mercoal	280	11- 2-38
Fox, Benjamin	Carbon	297	11- 6-38
Folden, Irvine A.	East Coulee	323	9- 8-38
Fox, Alfred Jr.	Carbon	334	19- 9-38
Fraser, Wm. B. Jr.	Coleman	350	8- 6-39
Farnworth, George	Nordegg	30	25- 7-41
Fraser, James B.	Coleman	32	25- 7-41
Forsyth, John	Lethbridge	54	1- 7-43
Fontana, B. J.	Coleman	57	20- 7-43
Giffen, H. R.	CoalfIELDS	19	26- 4-04
*Gates, H.	Coleman	26	26- 4-04
Griffiths, E. H.	Canmore	33	5-12-04
Griffiths, T. J.	Lille	77	18- 6-09
Gatiss, R.	Long Coulee	85	25-11-09
Gladwin, J.	Edmonton	97	20-12-09
Gillespie, John M.	Coleman	111	2- 6-10
Gilliland, William	Cardiff	123	8-11-10
Gwilliam, David J. M.	Namao	130	22-12-10
Gregory, John B.	Passburg	128	17-12-10
Garrett, John	Lille	147	4- 7-11
Griffiths, John T.	Lille	168	17-11-11
Garbett, Richard	Michel, B.C.	180	23-11-11
Gorton, James	Hillcrest	203	22- 7-12
Green, Henry V.	Halkirk	1	1-11-13
Grant, Robert H.	Three Hills	2	23-10-13
Grant, Robert	Lethbridge	10	10- 3-14
Goldie, William	Lethbridge	24	1- 4-14
Graham, Robert	Clover Bar	50	27-11-14
*Gilday, Michael E.	Drumheller	63	11-12-14
Gillespie, John C.	Drumheller	132	3- 8-16
Greenhalgh, Richard M.	Coleman	154	7- 7-17
Givens, John	Drumheller	158	10- 7-17
Goodrick, William L.	Commerce	168	17- 7-17
Goodwin, Andrew	Bellevue	187	13- 8-17
Gammie, John S.	Drumheller	226	8- 6-18
Grant, Donald A.	Hillcrest	242	26- 6-19
Gordon, Thomas	Drumheller	248	26- 6-19
Green, Henry V.	Halkirk (duplicate)	291	15-11-19
Goodwin, G. W.	Bellevue	320	26- 7-20
Gidman, J. H.	Taber	348	26- 7-20
Gibson, Henry	Edmonton	349	26- 7-20
Gilmour, Pete	Bragg Creek	363	26- 7-20
Gibson, William	Edmonton	370	26- 7-20
Goodwin, Watts	Bellevue	408	1- 8-21
Galbraith, A. G.	Coalhurst	460	31- 7-22
Gregory, William W.	Mountain Park	496	6- 9-22
Gavelin, Fred	Blairmore	519	17- 8-23
Gibson, Joseph C.	Cardston	587	24- 1-25
Gilmour, John	Cadomin	605	25- 7-25
Gordon, David L.	Drumheller	636	6- 8-26
Gibson, Thomas P.	Midlandvale	663	16- 9-27
Gallagher, John	Rosedale Station	760	4- 6-30
Goodwin, William	Bellevue	766	4- 6-30
Green, William	Luscar	775	10- 6-30
Guisto, G.	Beazer	6	13- 7-31
*Graham, William	Coleman	19	26- 7-31
Gotheridge, W. V.	Round Hill	26	26- 7-31
Goodwin, Albert E.	Bellevue	43	26- 7-31
Gibson, James	Willow Creek	75	25- 6-32
Guiney, C. John	Rosebud	79	25- 6-32
Galenza, P. L.	Leduc	113	3- 7-33
Gardner, H. H.	Coleman	135	31-10-33
*Grenda, Stanley	Turin	198	28- 6-35
*Graver, G.	East Coulee	201	4- 7-35

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Garner, E. Denison	Canmore	222	3- 6-36
Gibney, Frank	Grande Prairie	260	23- 6-37
Greig, Norman	Dinant	293	10- 6-38
Grant, Alexander	Hillcrest	298	13- 6-38
Groombridge, Thos.	Edberg	312	4- 7-38
Green, Walter	East Coulee	328	29- 8-38
Green, Wm. J.	Dinant	343	13- 2-39
Gill, Peter	Thorsby	352	8- 6-39
Griffiths, Ed.	Foothills	367	22- 6-39
Gotheridge, C. F.	Round Hill	370	22- 6-39
Grubisich, Walter	Hinton	375	4- 7-39
George, Pete	Three Hills	386	25- 7-39
Gladwin, Lewis C.	Carstairs	19	11- 7-41
Goods, Peter	Drumheller	39	17- 7-42
Gibson, George	Blairmore	67	9-10-43
Holmes, G. E.	Fernie, B.C.	15	1903
Hood, Andrew	Frank	20	21- 6-03
Hadfield, John	Canmore	23	21- 6-03
Harrison, Thomas	Cadomin	29	11- 7-04
Haines, Thomas	Coleman	37	23-12-04
Harvie, Robert	Lethbridge	40	23-12-04
Hannen, James	Canmore	1	30- 5-06
*Holden, James	Bankhead	13	3- 1-07
Hadfield, John	Coleman (duplicate)	21	4- 4-07
Humble, Stephen T.	Bellevue	29	23- 5-07
Hamilton, Charles	Edmonton	36	10- 1-08
Hilling, James	Coleman	43	23- 1-08
Hallworth, Albert	Bellevue	52	12- 6-08
Hayes, Robert	Blairmore	60	22- 1-09
Henderson, W.	Calgary	61	26- 1-09
Harvie John	Taber	68	1- 2-09
Hutton, Isaac	Bellevue	99	27-12-09
Hartley, William	Bankhead	110	2- 6-10
Hill, James	Canmore	114	3- 6-10
*Hulme, Chas.	Hillcrest	124	17-12-10
Henderson, James	Reid Hill	134	30-12-10
Hutton, John	Edmonton	135	30-12-10
Henderson, Samuel	Reid Hill	136	30-12-10
Halliday, George	Champion	155	8- 7-11
Hughes, William R.	Barnwell	181	23-11-11
Hutton, George	Bellevue	186	2-12-11
Hutchinson, Peter	Ardley	202	22- 7-12
Heap, Robert	Lundbreck	206	10- 8-12
Hunter, Alexander B.	Drumheller	207	10- 8-12
Harries, Henry C.	Coleman	209	26-10-12
Hutton, David T.	Bellevue	241	31- 7-13
Halliday George W.	Nanaimo, B.C. (duplicate)	248	31- 7-13
Heathcote, Joseph	Edmonton	32	28- 4-14
Harmison, William	Cassidy, B.C.	41	27- 8-14
Hynd, William	Eican	52	27-11-14
Hutton, Hugh	Bellevue	60	5-12-14
Hargreaves, George	Lethbridge	65	11-12-14
Hopkins, William	Coleman	93	1- 9-15
Huddart, Matthew	Bellevue	102	18-11-15
Hamilton, John	Lethbridge	120	10- 7-16
Howells, John	Eican	126	19- 7-16
Hyde, Isaac	Cadomin	134	15- 9-16
Holmes, Robert	Coleman	141	11-11-16
Hunter, John T.	Garden Plain	148	7- 7-17
Holland, Thomas	Lethbridge	161	10- 7-17
Hastings, Andrew P.	Champion	176	10- 7-17
Higgins, John	Bellevue	201	18- 4-18
Hodgkinson, John A.	Mountain Park	205	1- 6-18
Hudyma, John	Pocahontas	207	1- 6-18
Head James	Taber	209	1- 6-18
Hooks, John W.	Drumheller	210	1- 6-18
Hedges, Richard	Beverly	239	29- 8-18
Higney, John	Coalhurst	245	26- 6-19
*Hillary, John	Rosedale	258	26- 6-19
Hopkins, John T.	Coleman	259	26- 6-19
Hunter, James	Lethbridge	276	26- 6-19
Huff, L. E.	Lethbridge	325	26- 7-20
Hutchison, J. J.	Lovett	332	26- 7-20
Hawkins, E. L.	Nordegg	339	26- 7-20
Hillary, Joseph	Drumheller	391	1- 8-21
Hamilton, Thomas M.	Blairmore	393	1- 8-21
Hutchinson, George E.	Nordegg	404	1- 8-21
Hall, James	Brookdale	402	1- 8-21
Hetherington, R. Jr.	Wayne	420	1- 8-21
Hogg, Charles M.	Lethbridge	424	1- 8-21
Hamilton, Joseph J.	Lethbridge	434	29- 2-21
Hall Ernest	Wayne	438	10-10-21
Horner, Charles	Edmonton	440	16-12-21
Hopkins, William H.	Drumheller	451	31- 7-22
Hooten, Robert	Edmonton	505	15- 2-23

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Hughes, Harry	Natal, B.C.	506	9- 3-23
Harris, Rupert S.	Edmonton	513	17- 8-23
Hawkins, Harold	Drumheller	541	1- 9-23
Hulme, James	Carbon	564	26- 2-24
Hart, Daniel	Wayne	566	26- 6-24
Hadfield, W. A.	Coleman	567	16- 7-24
Harries, John	Wayne	568	16- 7-24
Hughes, Angus	Coleman	572	24- 7-24
Horne, James	Cadomin	576	1- 8-24
Holliday, William	Drumheller	596	20- 7-25
Hagblad, Theodore	Lethbridge	602	25- 7-25
Hetherington, Joseph W.	Carbon	609	25- 7-25
Hronek, Ben	Halkirk	614	1- 8-25
Hibbert, William T.	Dinant	622	11- 5-26
Hansen Knud	Aerial	644	1- 8-27
Henderson, Andrew	Wayne	655	14- 8-27
Hamilton, John M.	Hanna	657	14- 8-27
Hillary, Michael	Midlandvale	665	26-10-27
*Horne, Thos. Jr.	Luscar	687	1- 8-28
Hart, James J.	Coleman	692	16- 8-28
Hall, Robert	Canmore	703	24-11-28
*Hadwell, A. J.	Bellevue	717	7- 6-29
Halbert, David	Trochu	723	7- 6-29
Hillary, H.	Bellevue	736	17- 6-29
Hulbert, H. A.	Coleman	747	23- 7-29
Hutton Walter C.	Coalhurst	756	18- 2-30
Hopkins, Arthur J.	Foothills	761	4- 6-30
Heyworth, E. S.	Beverly	763	4- 6-30
Hunter, Thomas	Edmonton	805	22-10-30
Hooks, Albert	Drumheller	807	29-10-30
Harrop, Wm.	Robb	2	20- 1-31
Hogg, John	Foothills	22	13- 7-31
Hadwell, Thomas C.	Blairmore	27	26- 7-31
Howells, Edward W.	Mercoal	52	6- 1-32
Halbert, Robert	Trochu	71	25- 6-32
Hook, Alfred J.	Halkirk	78	25- 7-32
Holton, Joseph	Magrath	140	5- 4-34
Hill, Ernest	Coleman	144	5- 6-34
Halbert, Benjamin G.	Trochu	151	9- 6-34
Hanson, Andrew	Three Hills	187	10- 6-35
Halbert, Robert A.	Trochu	217	23- 9-35
Hilbert, Waddington	Mercoal	240	13-10-36
Holliday, Thomas	Drumheller	247	1- 6-37
Hanna, Thomas	Mercoal	269	21- 7-37
Horz, E. Louis C. J.	Evansburg	308	22- 6-38
Hamilton, Duncan C.	Drumheller	320	28- 7-38
Henry, Wm. B.	Newcastle	339	9-11-38
Hetherington, W. B.	Calgary	340	9-11-38
Honeyman, Maurice R.	Robb	369	22- 6-39
Heidel, Herbert G.	Priddis	401	12-10-39
Horkulak, Andrew	Thorsby	25	15- 7-41
Hawells, David T.	Lethbridge	27	15- 7-41
Hibbert, George	Three Hills	28	15- 7-41
Harris, Edward V.	Rosedale	52	29- 7-42
Irommonger, John	Hillcrest	145	3- 7-11
Instone, Henry	Hillcrest	197	3- 4-18
Irommonger, William	Hillcrest	487	1- 8-22
Ivan Mike	East Coulee	199	28- 6-35
Inverarity, William	Rosebud	382	4- 7-39
Jones, Evan	Coalfields	12	26- 4-04
James, Joseph	Frank	25	26- 4-04
Jones, Samuel A.	Nanaimo, B.C.	17	26- 4-04
Jones, Erskine	Coalfields	47	18- 4-05
James, Henry	British Columbia	53	14- 7-08
Jones, David	Edmonton	69	1- 2-09
Jones, Jack	Cardiff	127	17-12-10
Jones, Peter	Lethbridge	195	13- 7-12
Jordan, William	East Coulee	220	20-11-12
Joyce, Michael	Blairmore	224	25-11-12
*James, William	Pocahontas	234	31- 7-13
Jackson, John	Bellevue	246	31- 7-13
James, John	Cadomin	28	21- 4-14
Jones, David	Commerce	55	27-11-14
Johnson, Albert	Coleman	88	26- 8-15
Jones, Daniel H.	Lovett	99	10-12-15
Jones, Evan J.	Calgary	144	3- 7-17
Jinks, William E.	England	180	25- 7-17
Jones, John H.	Taber	214	1- 6-18
James, Isaac A.	Coleman	252	26- 6-19
Jones, Richard	Nordegg	289	8-10-19
Johnstone, Alexander	Clover Bar	329	26- 7-20
James, Thomas	Saunders	340	26- 7-20
Jones, Griffith	Willow Creek	375	17- 6-21
Jordon, Benjamin	Calgary	463	31- 7-22
Jones, Edward B.	Hillcrest	469	31- 7-22

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Jones, Daniel	Edmonton	474	31- 7-22
Jones, Richard M.	Wayne	491	1- 9-22
Jackson, Thomas	Coleman	495	1- 9-22
Jones, Arthur	Coleman	547	15- 8-23
Johnson, Chris	Carbon	561	28-12-23
Jones, David I.	Wayne	578	11- 8-24
*Jones, I.	Edmonton	589	3- 3-25
Jones, Elias	Coleman	680	1- 8-25
Johnson, Thomas	Drumheller	696	16- 8-28
Jubb, J. W.	Drumheller	708	1- 5-29
Jones, Jenkin	Luscar	771	4- 6-30
James, Isaiah	Rumsey	801	18-10-30
Johnson, Moses F.	Alix	804	18-10-30
James, Albert J.	Forestburg	25	26- 7-31
Jones, Douglas W.	Pincher Creek	49	27- 9-31
Johnson, Alexander J.	Ardley	68	25- 6-32
Jones, Wm. J.	Rosalind	74	25- 6-32
Jones, W. J.	Newcastle	100	10- 6-33
Jones, E. W.	Drumheller	127	22- 8-33
Jones, David	Wayne	133	25- 9-33
James, Hiram	Heisler	158	16- 6-34
James, Alfred	Drumheller	182	12-10-34
Johnson, Martin R.	Rumsey	234	22- 6-36
Jones, Wyndham	Coleman	246	1- 6-37
James, Joseph	Cadomin	248	3- 6-37
Jones, J. R. B.	Hinton	301	22- 6-38
James, John C.	Mountain Park	7	3- 8-40
James, William	Mountain Park	14	6-11-40
Jackson, Harold W.	Forestburg	51	26- 7-42
Kerr, W. R.	Coleman	89	29-11-09
*Kirkeberg, Henry S.	Michel, B.C.	87	27-11-09
Kerr, Robert T.	Passburg	75	17- 6-09
Kerr, Robert	Lundbreck	76	17- 6-09
Kaye, Herschal	Maycroft	191	4- 1-12
Kemp, David	Beaver Mines	201	22- 7-12
Keynon, William	Mountain Park	44	28- 9-14
Knox, Joseph	Hardieville	119	10- 7-16
Kelly, Patrick	Edmonton	147	7- 7-17
Kerrison, Thomas W.	Magrath	163	10- 7-17
Koentges, John	Blairmore	182	25- 7-17
Kyle, Daniel C.	Hillcrest	185	25- 7-17
Klejko, Stephen	Coleman	213	1- 6-18
King, John J. J.	Nordegg	221	8- 6-18
Kirkham, Thomas	Sheerness	284	26- 6-19
Kehl, Isodore	Big Valley	359	26- 7-20
Krause, Herman F.	Lethbridge	407	1- 8-21
Kay, Arthur	Coleman	501	1-11-22
Klatt, Rudolph E.	Evansburg	544	1- 9-23
Knudson, Arthur	Canmore	586	4-12-24
Kendrick, Samuel O.	Edmonton	597	20- 7-25
Kennedy, William	Mountain Park	606	25- 7-25
Kergan, Robert G.	Lethbridge	610	25- 7-25
Krupper, A.	Drumheller	711	7- 6-29
King, Joseph	Coalhurst	726	7- 6-29
Kay, Walter S.	Drumheller	754	12-11-29
Kerr, Robert G.	Blairmore	764	4- 6-30
Koentges, Joseph	Bellevue	770	4- 6-30
Kowal, Alex.	Canmore	790	14- 6-30
Kennedy, Joseph	Willow Creek	799	10- 9-30
Kiernan, Patrick	Robb	3	20- 2-31
Kay, William	Drumheller	53	26- 2-32
Kirkby, B. A.	Craigmyle	101	10- 6-33
Keough, Frank J.	Drumheller	134	30- 9-33
Kurp, Benjamin C.	Alix	143	5- 6-34
Kurp, Thomas J.	Delburne	172	13- 8-34
Krossa, O.	Shaughnessy	181	9-10-34
Keith, Albert	East Coulee	250	11- 6-37
Keith, Roy	Willow Creek	254	11- 6-37
Knight, William	Carbondale	261	23- 6-37
Kummer, William	High River	265	23- 6-37
Kane, Frank	Hinton	344	3- 4-39
Koshman, Alexander T.	Shaughnessy	372	22- 6-39
Kozmeniuk, Steve	East Coulee	378	4- 7-39
Kryskow, Michael	Carbondale	20	12- 7-41
Kubin, John J.	Coleman	42	17- 7-42
Kinnear, John A.	Coleman	64	22- 7-43
*Livingstone, Robert	Lethbridge	7	21-11-98
*Livingstone, Jas. C.	Lethbridge	18	26- 4-04
Learnmonth, A. J.	Redcliff	42	23- 1-08
Love, William	Edmonton	86	27-11-09
Lamont, David	Cadomin	98	24-12-09
Letcher, John J.	Hillcrest	149	4- 7-11
Leblanc, Emile	Wayne	153	8- 7-11
Little, Robert	Michel, B.C.	166	17-11-11
Loxton, George	Fernie, B.C.	176	17-11-11

THE MINES BRANCH

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Littler, John	Michel, B.C.	190	30-12-11
Littler, Matthew	Michel, B.C.	226	7-12-12
Laight, Jonas	Medicine Hat	233	3- 5-13
*Ludbrook, Ellis E.	Bickerdike	237	31- 7-13
Lynch, Stewart	Canmore	26	15- 4-14
Loxton, John	Fernie, B.C.	51	27-11-14
Letcher, Joseph H.	Lovett	100	12-10-15
Lamond, David	Evansburg	109	10- 7-16
Loftus, Edward	Drumheller	111	10- 7-16
Lewis, Thomas	Hardieville	131	26- 7-16
Longworth, Thomas	Calgary	146	5- 7-17
Logan, John T.	Drumheller	190	6- 9-17
*Lote, Francis	Hillcrest	195	3- 4-18
Lohmaier, Peter	Sheerness	238	15- 7-18
Lee, Walter J.	Nordegg	269	26- 6-19
Lindsay, John	Coalhurst	272	26- 6-19
Lindsay, James	Coalhurst	273	26- 6-19
Lawrence, John	Drumheller	294	1-12-19
Lewis, Hanbury	Calgary	364	1-11-20
Leonard, Philip	Nordegg	479	1- 8-22
Lytkowski, William P.	Canmore	503	30-12-22
Lecuyer, Glenn	Midlandvale	562	31-12-23
Lewis, John W.	Mountain Park	580	25- 9-24
Lavis, George	East Coulee	585	14-11-24
Longworth, John	Bellevue	634	30- 7-26
Lowry, William J.	Drumheller	641	22- 9-26
Leitch, Thomas	Drumheller	660	1- 9-27
Lazzarotto, Peter	Picture Butte	682	1- 8-28
Lammie, Robert	Beverly	694	16- 8-28
Lehmann, Max	Wayne	742	5- 7-29
Lund, Fred	Blairmore	767	4- 6-30
Laing, W. R.	Cadomin	774	10- 6-30
Letcher, R. C.	Hillcrest	795	12- 7-30
Leivers, Albert	Wayne	12	13- 7-31
Low, James A.	Coleman	147	5- 6-34
Loten, Henry V.	Newcastle	186	20- 2-35
Lonsbury, W. P.	Coleman	191	10- 6-35
Lloyd, James H.	Blairmore	192	10- 6-35
Lewis, Fred	Mountain Park	227	22- 6-36
Lister, Arthur L.	Cadomin	232	22- 6-36
Lynass, John	Delburne	267	13- 7-37
Louhella, Sula A.	Canmore	295	10- 6-38
Lynass, James C.	Delburne	310	22- 6-38
Lesson, Steve	Bellevue	354	8- 6-39
Loula, William	Bellevue	374	22- 6-39
Luini, Louis	Hillcrest	376	4- 7-39
Leckie, Samuel	Rosedale Station	407	26- 1-40
Larson, Tony	Edberg	33	25- 7-41
Lidgett, Joseph L.	Mercoal	60	20- 7-43
Musgrove, William	Canmore	9	23- 8-00
Mattson, Matt	Frank	34	5-12-04
*Morris, David	Edmonton	45	24- 2-08
Machin, J. C.	Strathcona	46	26- 2-08
Moore, Thomas E.	Drumheller	56	11- 1-09
Mather, Thomas	Luscar	96	8-12-09
Morgan, Owen	Saunders	143	3- 7-11
Munro, William K.	Lille	150	4- 7-11
Muir, David	Edmonton	151	8- 7-11
Miller, Walter	Edmonton	159	25- 8-11
Moore, James H.	Coleman	167	17-11-11
Massey, Harry	Michel, B.C.	172	17-11-11
Murray, John	Lille	174	17-11-11
Mason, Samuel	Taber	187	6-12-11
Morrison, Malcolm	Midlandvale	189	30-12-11
Melling, Peter	Coalhurst	208	26-10-12
Mackie, John	Hillcrest	221	25-11-12
Mackin, John W.	Coleman	240	31- 7-13
Muir, Alexander	Hardieville	12	10- 3-14
Miller, Joseph	Stafford Village	14	10- 4-14
Muir, Robert	Bankhead	21	23- 3-14
Murray, David	Hillcrest	35	26- 5-14
Mather, John	Edmonton	45	26-10-14
Muir, James	Bankhead	57	5-12-14
Marsh, Ernest	Wayne	61	5-12-14
Morgan, William J.	Luscar	64	11-12-14
Martin, William H.	Brule	69	28- 1-15
Marsh, John H.	Lethbridge	75	20- 3-15
*Mallabone, Ernest	Canmore	105	7- 7-16
Miller, David L.	Taber	114	10- 7-16
Millar, Peter P.	Drumheller	127	26- 7-16
*Martin, Richard	Taber	135	25- 9-16
Maddison, Wm.	Mountain Park	136	25- 9-16
Mitchell, John	Evansburg	143	27- 2-17
Morgan, Robert M.	Coleman	160	10- 7-17
*Morse A. T.	Morse	172	17- 7-17

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Michayluck, John G.	Luscar	184	25- 7-17
Marsh, William	Drumheller	230	8- 6-18
Mathewson, James	Nevis	236	22- 6-18
Mossey, Thomas M.	Lethbridge	237	5- 7-18
Miller, James	Aerial	266	26- 6-19
Miller, John R.	Aerial	293	20-11-19
Monkton, William	Rosedale	322	26- 7-20
Miller, Joseph Jr.	Lethbridge	326	26- 7-20
Milnes, John	Bellevue	334	26- 7-20
Melling, Joseph	Coalhurst	335	26- 7-20
Maddison, John	Hillcrest	354	26- 7-20
Melvin, J. L.	Lethbridge	371	28-12-20
Meyers, August	Grande Prairie	406	1- 8-21
Minue, Graydon B.	Nordegg	410	1- 8-21
Mitchell, Archie	Luscar	412	1- 8-21
Metcalf, Joseph W.	Coalhurst	498	1-11-22
Mossey, Robert	Frank	507	17- 5-23
Macri, D.	Cadomin	518	17- 8-23
Martin, David	Blairemore	527	17- 8-23
Miller, William	Drumheller	535	17- 8-23
Marsh, Walter	Kellog, Idaho	538	17- 8-23
*Martin, Henry Sr.	Saunders	549	15- 9-23
Mitchell, Hugh J.	Foothills	569	24- 7-24
Muir, Alexander	Coleman	593	20- 7-25
Mackie, James	Big Valley	608	25- 7-25
Millar, David	Mercoal	627	26- 7-26
Mackie, William	Drumheller	645	1- 8-27
Metcalfe, Joseph W.	Drumheller	666	16- 1-28
Musgrove, Henry B.	Canmore	674	19- 7-28
Muncy, Howard C.	Foreman	693	16- 8-28
Mayon, Daniel	Drumheller	707	20- 3-29
Millar, C. C.	Bellevue	714	7- 6-29
Morris, David	Bellevue	720	7- 6-29
Mossom, John	Drumheller	734	17- 6-29
Meek, Fred G.	Heisler	737	17- 6-29
Morris, Wm.	Edmonton	744	12- 7-29
Morris, Robert S.	Aerial	745	12- 7-29
Marsh, Wm. J.	Midlandvale	776	10- 6-30
May, John	Beverly	786	14- 6-30
Mathieson, David	Edmonton	789	14- 6-30
Muir, Thomas	Coalhurst	800	18-10-30
Morgan, Ernest	Blairemore	15	13- 7-31
Madsen, S.	Luscar	39	26- 7-31
Marsh, John	Coalhurst	51	6- 1-32
*Mitchell, Chas. G.	Pincher Creek	82	24- 8-32
Marsh, Walter	Coleman	84	24- 8-32
Mitchinson, Arthur	Donalda	88	23- 9-32
Molyneux, Thomas	Aerial	102	10- 6-33
Molzan, Henry	East Coulee	111	15- 6-33
Muir, James	Edmonton	137	28-12-33
Morse, William J.	Hanna	156	12- 6-34
Mitchell, William	Dimsdale	174	27- 8-34
Morel, Marcel	Ghost Pine Creek	180	25- 9-34
Menzies, Wm.	Drumheller	212	10- 8-35
Miller, Douglas	Edmonton	236	4- 7-36
Marshall, Robert	Leduc	255	11- 6-37
Marshall, Chas. H.	Leduc	256	11- 6-37
Mitchell, Thomas	Coleman	257	23- 6-37
Muir, George	Edmonton	265	13- 7-37
Marsh, Walter W.	Delburne	279	12-11-37
Mills, Jonathan J.	Rosalind	283	22- 4-38
Miskow, Michael J.	Canmore	284	7- 6-38
Morkwia, Victor Jr.	Canmore	285	7- 6-38
Morris, Robert L.	Coleman	294	10- 6-38
Murphy, Peter J. Jr.	Drumheller	325	15- 8-28
Moran, James Jr.	Edmonton	342	10-12-38
Melson, Philip	East Coulee	359	8- 6-39
Marconi, John	Coleman	363	22- 6-39
Marshall, Albert C.	Delia	365	22- 6-39
Mitchell, David	Luscar	380	4- 7-39
Martin Bert W.	Alexo	385	25- 7-39
Madsen, Soren	Mountain Park	406	30-11-39
Mitchell, Robert A.	Luscar	10	4- 9-40
Mather, John H.	Namao	13	29-10-40
Mitchinson, Thomas	Donalda	18	11- 7-41
Marconi, Gordon	Coleman	22	12- 7-41
Marasco, Frank	Nordegg	23	15- 7-41
Morrison, Neil	Mercoal	26	15- 7-41
Merrington, Robert H.	Ryley	31	25- 7-41
Mullinger, William H.	Three Hills	35	20- 8-41
Martin, William H.	Rosevear	53	4-12-42
McKay, John J.	Lethbridge	5	19-11-98
McKinnon, H. G.	Canmore	36	5-12-04
McGregor, Alex.	Cardiff	41	16- 1-05
McCulloch, Alex.	Cadomin	43	18- 4-05

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
McDonald, J. A.	Blairmore	44	18- 4-05
McVey, William	Frank	39	10- 1-08
McLeary, Stewart	Lethbridge	58	12- 1-09
McMillan William D.	Coleman	72	25- 2-09
McKinnon, A. J.	Canmore	62	29- 1-09
McLenhan, John A.	Lovett	51	8- 6-08
McGarry, Martin	Michel, B.C.	59	19- 1-09
McDonald, James A.	Lille	91	29-11-09
McMillan, Donald	Coleman	107	31- 5-10
McDonald, Duncan	Drumheller	112	2- 6-10
*McDonald, Hector	Coleman	115	3- 6-10
McDonald, William C.	Lethbridge	122	16- 7-10
McDevitt, James J.	Cadomin	129	22-12-10
McGladrie, John	Lille	152	8- 7-11
McMullin, Joseph	Hillcrest	171	17-11-11
McGough, Joseph P.	Bellevue	219	18-11-12
McDonald, James O. C.	Coleman	225	25-11-12
McDonald, Noble M.	Bellevue	5	28-11-13
McGowan, James K.	Lethbridge	13	10- 3-14
McLeod John A.	Cadomin	74	8- 3-15
McLellan, John A.	Mercoal	77	8- 5-15
McIlveen, William	Lovettville	80	19- 8-15
McAndrew, Robert	Clover Bar	81	19- 8-15
McAndrew, John	Calgary	83	19- 8-15
McKean, George J.	Bellevue	121	10- 7-16
McLean, William	Mountain Park	122	10- 7-16
McQueen, Andrew	Edmonton	124	19- 7-16
McMillan, Daniel	Drumheller	149	7- 7-17
McDonald, John H.	Nanaimo, B.C.	164	10- 7-17
McKinnon, John L.	Coleman	189	4- 9-17
McAndrew, Robert	Clover Bar (duplicate)	196	3- 4-18
McDonald, George	Drumheller	212	1- 6-18
MacKay, William J. K.	Ontario	240	28- 1-19
McDicken, James	Coleman	251	26- 6-19
McFegan, Robert	Michel, B.C.	255	26- 6-19
MacPherson, John M.	Coalhurst	257	26- 6-19
McQueen, George	Nordegg	270	26- 6-19
McDade, John	Drumheller	290	8-11-19
McGowan, William	Lethbridge	317	26- 7-20
McKinnie, John	Drumheller	369	26- 7-20
McKenna, Harry	Pocahontas	376	17- 6-21
McAskill, Alexander	Drumheller	380	1- 8-21
McGaw, A. M. S.	Carmangay	398	1- 8-21
McGregor, Thomas B.	Lethbridge	417	1- 8-21
McNab, Murdock	Coalhurst	419	1- 8-21
McLeod, Gordon J.	Mountain Park	422	1- 8-21
McGladne, Andrew	Lethbridge	423	1- 8-21
MacDonald, William	Drumheller	431	29- 8-21
McCubbrey, James	Drumheller	458	31- 7-22
McGuire, George	Dinant	466	31- 7-22
McGuire, James S.	Dinant	467	31- 7-22
MacLeod, Roderick	Coleman	470	31- 7-22
McEachern, Malcolm	Wayne	531	17- 8-23
McLennan, George A.	Drumheller	534	17- 8-23
MacNeil, James	Cadomin	537	17- 8-23
McLeod, Allan	Rosedale	543	1- 9-23
McLafferty, P.	Bellevue	551	1-11-23
McLeod, John R.	Bellevue	591	27- 5-25
McAllister, David	Mountain Park	613	1- 8-25
McKinnon, Alexander	Coleman	632	30- 7-26
McCulloch, Johnston	Coleman	642	30- 7-26
McDonald, Thomas	Rosedale	653	12- 8-27
McFegan, Alex.	Drumheller	661	10- 9-27
*McCormack, A. D.	Castor	675	19- 7-28
Macaulay, John C.	Coalhurst	678	19- 7-28
MacDonald, Clyde P.	Bellevue	685	1- 8-28
McDonald, James W.	Mountain Park	709	1- 5-29
MacDonald, Leslie	Bellevue	713	7- 6-29
MacLeod, Lloyd	Coalhurst	725	7- 6-29
MacAllister-Thompson, D. S. B.	Rosedale	735	17- 6-29
McNab, Duncan	Lethbridge	739	17- 6-29
McAndrew, John Jr.	Blairmore	769	4- 6-30
McDonald, William	Bellevue	777	10- 6-30
McCutcheon Jas. A.	Midlandvale	803	18-10-30
McMurdo, Thomas	East Coulee	18	13- 7-31
McLeod, Arthur	Drumheller	50	22-10-31
McGowan, John	Drumheller	57	2- 6-32
McKinley, James	Huxley	72	25- 6-32
McColl, Alexander	Lethbridge	109	15- 6-33
McMillan, William	Rosebud	168	26- 7-34
McKinlay, James	Perbeck (duplicate)	224	3- 6-36
McDonald, Wm. I.	Drumheller	235	22- 6-36
MacDonald, George G.	Beverly	242	14- 1-37
McGregor, Alexander	Lethbridge	271	26- 7-37
MacKenzie, John	East Coulee	299	13- 6-38

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
McMullen, Sidney G.	Drumheller	311	22- 6-38
McIntyre, Arnold J.	Mercoal	331	7- 9-38
McLaren, Fred	Dinant	341	14-11-38
McCulloch, Archibald	Coleman	349	8- 6-39
MacQuarrie, Hector	Drinnan	364	22- 6-39
McLaughlin, Michael	Luscar	403	30-10-39
McMillan, Alexander	Rosebud	34	28- 7-41
McNeil, Thomas	Mountain Park	36	4- 3-42
McDonald, Kenneth L.	Bellevue	40	17- 7-42
McIsaac, John D.	Burmis	45	17- 7-42
McLafferty, Daniel	Bellevue	50	26- 7-42
McGladrie, Robert I.	Nevis	63	24- 7-43
McMillan, James	Mountain Park	66	11- 8-43
Nelson, Horatio	Lundbreck	11	3- 1-07
Nanson, Thomas H.	Bellevue	15	3- 1-07
*Nicol, James	Frank	34	26-12-07
Nicol, George	Nacmine	27	21- 4-14
Nugent, Bernard	Camrose	133	30- 8-16
North, Walter	Blairmore	204	18- 4-18
Nelson, Walter W.	Coleman	462	31- 7-22
Nicholson, Peter	Cadomin	472	31- 7-22
Niskanen, Herman	Canmore	671	19- 7-28
Nisbet, George	Beverly	759	4- 6-30
Negrello, Mike	Coalhurst	7	13- 7-31
Naegeli, Otto	Midlandvale	54	26- 2-32
Novak, Mike	Milk River	56	4- 5-32
Norman, John	Beverly	136	31-10-33
Nielsen, Nils P.	Carbondale	223	3- 6-36
Nelson, John B. H.	Dinant	335	19- 9-38
Nelson, John	Rosedale Station	356	8- 6-39
Niblett, Ronald J.	Rosedale	41	17- 7-42
Oiphant, J. H.	Carbon	26	17- 5-07
Oiphant, John	Medicine Hat	79	16- 7-09
O'Donnell, Thomas	Rosedale	139	17- 3-11
Ottewell, William J.	Clover Bar	245	31- 7-13
Oakes, Robert	Blairmore	104	16- 6-16
Oakley, John	Edmonton	115	10- 7-16
Oliver, B.	Magrath	342	26- 7-20
Owen, Thomas	Michel, B.C.	442	10- 3-22
Ostler, James	Taber	445	22- 5-22
Oldham Albert	Luscar	579	11- 8-24
Oliver, Edward	Taber	584	14-11-24
Ottewell, Cedric P.	Clover Bar	620	21-11-25
O'Neill, Michael	Nordegg	748	9- 8-29
Ordge, John	Donalda	80	25- 7-32
Owens, John	Midlandvale	177	4- 9-34
Oswald, Joseph	Drumheller	178	10- 9-34
O'Brien, Anthony	Gadsby	244	10- 3-37
Oxbury, John	Beynon	327	26- 8-38
*Phillips, Chas.	Frank	14	30-12-02
Prentice, John	Virginia, U.S.A.	67	1- 2-09
Powell, Albert E.	Lundbreck	71	4- 2-09
Picton, William	Frank	78	8- 7-09
Pounder, George	Pincher Creek	84	22- 9-09
Parker, Levi	Cardiff	100	18- 1-10
Pickering, G.	Taber	104	25- 2-10
Parry, Thomas	Hillcrest	119	21- 6-10
Park, Stewart G.	Lethbridge	121	26- 6-10
Patterson, John	Hillcrest	126	17-12-10
Picton, Daniel	Aerial	178	23-11-11
Park, William	Lethbridge	194	13- 7-12
Parkes, John T.	Lethbridge	236	31- 7-13
Park, Alex. C.	Lethbridge	25	8- 4-14
Porteous, Alexander	Hillcrest	36	26- 5-14
Purdy, Stearns J.	Lundbreck	37	28- 5-14
Parker, Joseph	Drumheller	47	25-11-14
Puckett, Owen L.	Robb	53	27-11-14
*Pavier, Evan	Coleman	91	27- 8-15
Price, Alfred	Montana, U.S.A.	103	4- 1-16
Pitt, Arthur J.	Coleman	108	10- 7-16
Phillips, David	Commerce	110	10- 7-16
Price, John	Mountain Park	116	10- 7-16
Pratt, Philip	Lovettville	117	10- 7-16
Paterson, Patrick	Evansburg	139	3-10-16
Padgett, Albert	Bellevue	177	17- 7-17
Poole, Alexander	Drumheller	241	16- 5-19
Prescott, William	Hillcrest	249	26- 6-19
Painter, J. A.	Mountain Park	361	26- 7-20
Parkinson, Harry	Coleman	465	31- 7-22
Pearson, Francis	Hillcrest	468	31- 7-22
Phipps, Mathew J.	Mountain Park	494	1- 9-22
Price, John	Mountain Park	497	1-11-22
Patterson, William	Blairmore	515	17- 8-23
Parry, Robert	Coleman	546	15- 9-23
Poxon, Wilfred	Carbon	555	15-11-23

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Peters, Frederick C.	Wayne	582	25- 9-24
Price, Richard	Hillcrest	590	21- 4-25
Pickard, Joseph	Edmonton	592	20- 7-25
Perry, James E.	Beynon	612	25- 7-25
Powell, John E.	Newcastle Mine P.O.	700	22- 8-28
Piper, John J.	Canmore	716	7- 6-29
Paton, George	Delburne	727	7- 6-29
Phillips W. J.	Saunders	733	17- 6-29
Page, Joseph	Drumheller	741	19- 6-29
Peters, Wm. E.	Blairmore	762	4- 6-30
Park, Angus	Edmonton	773	4- 6-30
Patterson, S. E.	Blairmore	778	10- 6-30
Pascoe, Thomas	Mountain Park	796	14- 7-30
Potter, Harry	Drumheller	797	8- 8-30
Price, Stanley R.	Blairmore	9	13- 7-31
Pettigrew, Robert	Coleman	20	13- 7-31
Phillips, W. T.	Castor	99	10- 6-33
Popovich, Mike	Champion	112	3- 7-33
Pike, Sidney G.	Drumheller	119	24- 7-33
Phillips, Alfred J.	Coleman	146	5- 6-34
*Poholka, Steve	Edmonton	149	9- 6-34
Perini, John	Lethbridge	153	9- 6-34
Parker, Jack	Cardiff	165	27- 6-34
Potter, I. N.	Nacmine	167	26- 7-34
Perini, Angelo	Granlea	194	10- 6-35
Price, Wm. T.	Edmonton	195	14- 6-35
Peta, Julius	Hardieville	225	4- 6-36
Purdy, Denzil	Lundbreck	237	4- 7-36
Passoli, E. L.	Vulcan	314	4- 7-38
Parry, Joseph	Mercoal	316	8- 7-38
Parobchak, F.	Carbondale	353	8- 6-39
Plesuk, William	Beverly	357	8- 6-39
Price, John C.	Coleman	377	4- 7-39
Quigley, Daniel H.	Drumheller	377	14- 7-11
Queen, Andrew M.	Lethbridge	228	26-12-12
Quin, James	East Coulee	66	25- 6-32
Rice, Awrey	Edmonton	48	18- 4-05
Rawson, Thomas S.	Frank	1	20-12-05
Rose, Walter	Lundbreck	54	25- 8-08
Roberts, William	Strathcona	95	3-12-09
Robinson, John H.	Hillcrest	106	31- 5-10
Rowbotham, William H.	British Columbia	116	6- 6-10
Roberts, E.	Rosedale	118	20- 6-10
Richardson, Alfred	Lethbridge	125	17-12-10
Richards, George	Coleman	137	31-12-10
Roberts, John	Cadomin	140	6- 4-11
Reid, James	Canmore	158	24- 7-11
Richards, Evan	Edmonton	162	17-11-11
Richards, Samuel	Bellevue	175	17-11-11
Rawlinson, Rowland	Cadomin	182	28-11-11
Rayner, Frederick	Frank	188	8-12-11
Radford, James	Bellevue	200	22- 7-12
Rae, John	Coleman	242	31- 7-13
Rankin, William	Hosmer, B.C.	4	28-11-13
Rebar, Mike	Hardieville	19	18- 3-14
Rees, Daniel	Bellevue	56	27-11-14
Russell, Arthur	Standard	59	5-12-14
Russell, John	Ardley	67	20- 1-15
Rees, Gomer	Beverly	96	12-10-15
Robinson, Edward	Chilliwack, B.C.	101	28-10-15
Roberts David O.	Cardiff	106	7- 7-16
Robert, David C.	Coleman	113	10- 7-16
Randall, David	Coleman	191	10-10-17
Reid, Edward	Drumheller	206	1- 6-18
Redpath, James	Wayne	208	1- 6-18
Reid, Samuel	Brule	211	1- 6-18
*Richards, Edward	Drumheller	271	26- 6-19
Rollingson, John	Lethbridge	280	26- 6-19
Ruscoe, Richard	Halkirk	282	26- 6-19
Roberts, Evan	Wayne	318	26- 7-20
Royle, Edward	Blairmore	323	26- 7-20
Robertson, W. H.	Coalhurst	333	26- 7-20
Rappel, Thomas	Canmore	337	26- 7-20
Rappel, A. J.	Calgary	355	26- 7-20
Richards, John C.	Coleman	386	1- 8-21
Richards, Thomas	Wayne	392	1- 8-21
Rees, William H.	Lethbridge	435	29- 8-21
Rowley, Arthur	Calgary	455	31- 7-22
Ridgeway, Leonard J.	Coalhurst	457	31- 7-22
Roberts, Robert	Wayne	464	31- 7-22
Richards, Harold	Hillcrest	484	1- 8-22
Roberts, Lemuel	Wayne	488	1- 8-22
Richards, M. C. Russell	Blairmore	509	17- 5-23
Rutherford, Leslie D.	Saunders West	565	6- 5-24
Rutherford, Wilson	Drumheller	583	30-10-24

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Roome, Richard	Mountain Park	588	24- 1-25
Rhodes, William B.	Lundbreck	625	26- 7-26
Robertson, Alexander	Lethbridge	633	30- 7-26
Ramage, John	Coalhurst	648	12- 8-27
Ray, William J.	Hillcrest	669	22- 4-29
Rees, Ernest	Hillcrest	686	1- 8-28
Rochester, John J.	Carbon	689	1- 8-28
Rolfe, Emrys	British Columbia	691	16- 8-28
Russell, William C.	Drumheller	705	24-11-28
Rear Albert E.	Corbin, B.C.	728	7- 6-29
Reid, Wm. P.	Lethbridge	732	17- 6-29
Radford, J. H.	Heisler	738	17- 6-29
Rogers, Benjamin	Canmore	753	5-11-29
Reed, John C.	Edmonton	779	10- 6-30
Raisbeck, A. B.	East Coulee	785	10- 6-30
Reynolds, Horace C.	Canmore	11	13- 7-31
Roberts, Simon	Cadomin	21	13- 7-31
Radoczy, Isaac C.	Aerial	23	13- 7-31
Ratecliffe, Thomas	Drumheller	24	13- 7-31
Robertson, Duncan	Drumheller	47	26- 7-31
Russell, Robert	Alix	69	25- 6-32
Rees, Sandford	Mountain Park	81	28- 7-32
Rhodes, George	Champion	96	10- 6-33
Rees, Edward D.	Belleview	105	15- 6-33
Raeder, William	Elkwater	110	15- 6-33
Ross, A. W.	Delia	124	29- 7-33
Rozzolini, Albert	Raymond	126	29- 7-33
Radford James T.	Belleview	132	15- 9-33
Richards, Lorenzo	Coleman	142	5- 6-34
Riordan, Leo	Drumheller	173	13- 8-34
Ruffee, Harry G.	Nacmine	204	9- 7-35
Richardson, E. H.	East Coulee	205	17- 7-35
Raisbeck, Robt. M.	Drumheller	213	12- 8-35
Raisbeck, James	East Coulee	215	29- 8-35
Rota, Steve	Champion	219	29- 8-35
Rebar, George	Lethbridge	229	22- 6-36
Roberts, Horace	Drumheller	251	11- 6-37
Rees, Daniel	East Coulee	273	27- 8-37
Richards, Lorenzo C.	Coleman	286	7- 6-38
Riva, Joseph	Canmore	288	8- 6-38
Remillard, Omer V.	Castor	304	22- 6-38
Raisbeck, Luke	East Coulee	330	7- 9-38
Rynning, James W.	Rowley	383	4- 7-39
Reissig, Erich	Willow Creek	388	12- 8-39
Robbins, John	Drumheller	390	17- 8-39
Richardson John	Camrose	393	1- 9-39
Reynolds, Arthur E. V.	Mercoal	404	10-11-39
Roberts, William	Rosedale	11	4- 9-40
Richards, Clifford	Hillcrest	17	11- 7-41
Roome, Herbert	Mountain Park	44	17- 7-42
Rae, Alex.	Blairmore	47	18- 7-42
Roome, John	Mountain Park	49	26- 7-42
Scott, Robert	Lethbridge	6	19-12-98
*Scott, Hugh	Lethbridge	8	5- 6-99
Sedlock, Joseph	Canmore	22	25- 6-03
Smith, Robert	Canmore	32	5-12-04
Smith, Hugh	Belleview	35	5-12-04
Stott, John	Lethbridge	38	23-12-04
Spencer, W. J.	Bankhead	51	6- 7-05
Salmond, James M.	Bankhead	6	20-12-05
Sparrow, Edwin	Tawatinaw	2	20-12-05
Smith, Ralph	Canmore	3	30- 5-06
Singleton, Robert	Lundbreck	47	29- 5-08
Schmidt, O. P.	Edmonton	44	1- 2-08
Sihvonen, William	East Coulee	27	17- 5-07
Scott, Andrew N.	Luscar	28	23- 5-07
Smith, A. J. P.	Calgary	103	21- 2-10
Shaw, Thomas J.	Hinton	113	3- 6-10
Scott, Alexander	Pocahontas	185	28-11-11
Sheratt, Owen Sr.	Coleman	199	13- 7-12
Smith, Thomas	Hillcrest	216	1-11-12
Stobbs, Joseph	Diamond City	217	5-11-12
Shaw, Eli	Canmore	229	30- 4-13
Stephenson, Thomas	Belleview	230	7- 4-13
Stott, John	Lethbridge (duplicate)	231	7- 4-13
Stephenson, Joseph	Commerce	232	30- 4-13
Sandino, Joseph	Drumheller	238	31- 7-13
Steele, John W.	Lethbridge	17	16- 3-14
Severns, Matthew	Edmonton	42	8- 9-14
Spencer, Murray A.	Brule	43	18- 9-14
Snairey, George	Beynon	62	5-12-14
Sinclair, James	Drumheller	68	22- 1-15
Smith, John	Blairmore	94	1- 9-15
Smith, T. Edwin	Montana, U.S.A.	130	26- 7-16

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Strickland, William	Exansburg	145	5- 7-17
Stratton, James M.	Taber	181	25- 7-17
Shaw, Tom	Bellevue	202	18- 4-18
Sorro, Christopher	Blairmore	203	18- 4-18
Steen, Herman	Hanna	277	26- 6-19
*Scott, Frederick G.	Nordegg	287	2- 9-19
*Sippell, Joseph	Drumheller	295	1-12-19
Stewart, James	Lethbridge	305	26- 7-20
Smith, Thomas	Coleman	307	26- 7-20
Saunt, James	Drumheller	309	26- 7-20
Steele, Francis M.	Calgary	319	26- 7-20
Stratton, A. T.	Medicine Hat	351	26- 7-20
Serrie, John	Taber	353	26- 7-20
*Sutherland, E. S.	Beverly	395	1- 8-21
Scott, Robert	Nordegg	399	1- 8-21
Shaw, William G.	Kimberley	409	1- 8-21
Shaw, Joseph H.	Kimberley	416	1- 8-21
Shaw, John H.	Nordegg	426	1- 8-21
Stene, David	Edmonton	430	29- 8-21
Strachan, John	Fernie, B.C.	437	29- 8-21
Sneddon, Thomas	Taber	444	3- 4-22
Shepperd, Geo. E.	Wayne	477	1- 8-22
Speaker, Pete A.	Calgary	489	1- 9-22
Smith, Andrew A.	Drumheller	522	17- 8-23
Shevels, John	Bellevue	523	17- 8-23
Smith, Sidney L.	Drumheller	532	1-11-23
*Studholme, John H.	Dinant	559	18-12-23
Simmons, Efner W.	Forestburg	611	25- 7-25
Stanley, Henry	Nacmine	615	1- 8-25
Severns, Matthew	Valier, Mont. (duplicate)	621	11- 5-26
Steward, Frederick G.	Drumheller	624	26- 7-26
Shearer, Peter	Cadomin	640	22- 9-26
Smith, Terence	Edmonton	646	1- 8-27
Stewart, George W.	Nordegg	667	16- 1-28
Shandruk, Henry K.	Edmonton	695	16- 8-28
Steven, Robert	Banff	701	22- 8-28
Smith, Peter	Coleman	718	7- 6-29
Scott, J. D.	Rosedale	722	7- 6-29
Snow, Percy E.	Lethbridge	729	7- 6-29
Strang, David	Mountain Park	746	23- 7-29
Shearer, J. C.	Rosedale	749	9- 8-29
Sherwood, Henry R.	Canmore	751	8- 8-29
Stevenson, Robert	Drumheller	757	25- 2-30
Smillie, Walter	Evansburg	772	4- 6-30
Sutherland, S. R.	Bellevue	782	10- 6-30
Sinoski, Mike	Edmonton	791	14- 6-30
Stewart, R. E.	Shaughnessy	802	18-10-30
Stene, Alexander	Cadomin	10	13- 7-31
Stanko, Martin	Drumheller	13	13- 7-31
Smith, John A.	Cadomin	31	13- 7-31
Simons, B. C.	Bellevue	36	26- 7-31
Saunders, Herbert A.	Cardiff	76	2- 7-32
Sward, Henry	Rose Lynn	104	10- 6-33
Schlender, Otto	Trochu	118	6- 7-33
Smillie, John	Drinian	152	9- 6-34
Sprela, Martin	Willow Creek	163	19- 6-34
Schneider, Nick	Dimsdale	197	28- 6-35
Streich, Paul	Ardley	202	8- 7-35
Simpson, Frank	Nacmine	206	22- 7-35
Smith, James	Wayne	211	10- 8-35
Stevenson, Morris	Drumheller	218	25- 9-35
Shaw, Robert	Coleman	226	22- 6-36
Sinoski, Steve	Edmonton	252	11- 6-37
Sarsfield, William	East Coulee	273	27- 8-37
Stewart, Jas. M. Jr.	Nordegg	281	7- 3-38
Sheridan, Daniel	Lacombe	296	11- 6-38
Simpson, Edward	Edmonton	300	22- 6-38
Schymizek, John	Bright Bank	302	22- 6-38
Swan, Harry	Priddis	307	22- 6-38
Sirk, Tibor	Rosedale Station	319	21- 7-38
Stratton, Andrew T.	Redcliff (duplicate)	329	7- 9-38
Smith, Harry	Drumheller	338	21-10-38
Scarpino, Eugene M.	Rosedale	389	14- 8-39
Swanston, Matthew	East Coulee	392	1- 9-39
Smith, Charles E.	Rosebud	396	12- 9-39
Steen, Alf C.	Rosedale Station	398	16- 9-39
Samis, Kenneth E.	Namao	402	18-10-39
Schnepf, Karl J.	Rosebud	6	3- 8-40
Smith, James	Nordegg	9	3- 8-40
Staite, Albert E.	Trochu	56	20- 7-43
Semeniuk, Steve	Shaughnessy	58	20- 7-43
Taylor, William	Lethbridge	10	16- 4-01
Turner, Samuel H.	Frank	21	25- 6-03
*Thomas, David	Banhead	31	5-12-04
Tonge, Thomas	Lundbreck	5	30- 5-06

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Thompson, Thos.	Lundbreck	16	3- 1-07
*Teppo, Herman	Bellevue	19	3- 1-07
Turner, Samuel H.	Frank (duplicate)	22	8- 5-07
*Taylor, Thos.	Lundbreck	30	23- 5-07
Thomas, John J.	Frank	74	21- 4-09
Thompson, Thos.	Coleman	93	29-11-09
*Thomas, Jos. D.	Nacmine	81	25- 8-09
Thomson, Thomas W.	Bankhead	161	17-11-11
Thompson, Joseph	Coleman	165	17-11-11
Thomas, Isaac	Coleman	204	27- 7-12
Tully, Thomas	Fernie, B.C.	215	1-11-12
Turner, William	Hillcrest	244	31- 7-13
Thomas, John B.	Edmonton	46	19-11-14
Thomson, Roger A.	Lovettville	66	22-12-14
Thomson, David	Lovettville	82	19- 8-15
Tennant, Robert	Drumheller	84	19- 8-15
*Troman Samuel	Lethbridge	87	26- 8-15
Turner, Leonard	Nordegg	125	19- 7-16
*Thom, George	Pocahontas	142	12-12-16
Tennant, John	Lethbridge	165	10- 7-17
Terris, Andrew	Nordegg	170	17- 7-17
Tennant, William G.	Lethbridge	228	8- 6-18
Tisdale, James R.	Winnipeg	231	8- 6-18
Thomason, Charles	Blairmore	234	14- 6-18
Talbot, William	Drumheller	235	22- 6-18
Thomson, James	Beverly	425	1- 8-21
Thomson, George H.	Lethbridge	433	29- 8-21
Thompson, Andrew	Aerial	267	26- 6-19
Thackray, Fred	Lethbridge	281	26- 6-19
Travis, Joseph	Bankhead	303	26- 7-20
*Terris, Chaperen	Saunders	429	1- 8-21
Thornhill, John E.	Coalhurst	482	1- 8-22
Tannucci, Joseph	Brule	485	1- 8-22
Tilley, John C.	Bellevue	511	30- 6-23
Taylor, William	Midlandvale	514	17- 8-23
Turner, William H.	Blairmore	525	17- 8-23
Tucker, John M.	Entwistle	528	17- 8-23
Talbot, Walter J.	Clover Bar	533	17- 8-23
Trentham, Harry	Ghost Pine	536	17- 8-23
Teasdale, J. R. W.	Drumheller	540	1- 9-23
Tyldsley, Albert	Beverly	545	1- 9-23
Thomson, Walter	Clover Bar	628	26- 7-26
Taylor, John	Drumheller	649	1- 8-27
Tompkins, David F. R.	Foothills	659	1- 9-27
Thomson, William	Edmonton	683	1- 8-28
Thomas, Edward J.	Drumheller	706	24-11-28
Thomson, John	Edmonton	758	4- 6-30
Thirlwell, Wm.	Robb	4	20- 2-31
Tyler, Edward	Lethbridge	5	13- 7-31
Thomas, William	Luscar	38	26- 7-31
Thomas, David S.	Midlandvale	55	21- 3-32
Tyler, Harold	Lethbridge	70	25- 6-32
Taylor, Robert	Calgary	85	24- 8-32
Tonge, Reginald	Blairmore	90	30- 9-32
Thomson, Alexander	Edmonton	141	5- 6-34
Taylor, Edward	Groton	154	9- 6-34
Tiffen, Richard	Coleman	188	10- 6-35
Thomas, David R.	Ryley	241	6-11-36
Tibergnem, A. J.	Coleman	264	23- 6-37
Turner, William A.	Halcourt	262	23- 6-37
Thompson, John W.	Drumheller	274	1- 9-37
Treventhin, Mark	Wayne	305	22- 6-38
Tennant, James	Mountain Park	358	8- 6-39
Thomson, John D.	Drinnan	360	8- 6-39
Thomas, David R.	Luscar	379	4- 7-39
Tinsley, Albert J.	Rosedale Station	381	4- 7-39
Tiberg, Alrik N.	Blairmore	38	17- 7-42
Topak, Peter	Coleman	55	14- 7-43
Utey, Frederick W.	Bellevue	250	26- 6-19
Unsworth, Robert J.	Scapa	704	24-11-28
Urwin, Henry	Canmore	123	29- 7-33
Unsworth, George	Scapa	399	12-10-39
Vola, Serafino	Canmore	63	1- 2-09
Vaselenak, Michael P.	Lethbridge	159	10- 7-17
Vickers, William A.	Taber	443	10- 3-22
Villard, Henry	Wayne	450	31- 7-22
Vannucci, Luigi	Brule	629	26- 7-26
Vining, Samuel	Luscar	635	30- 7-26
Vivyrka, John	Mercoal	44	26- 7-31
Van Schoorl, August	Coleman	228	22- 6-36
Valentini, Marcelli	Bow Island	309	22- 6-38
Vitaly, Mike L.	Namao	351	8- 6-39
Vanbesien, Jules	Champion	366	22- 6-39
Van Duncombe, Walter	Taber	394	12- 9-39

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Watkins, W. E.	Champion	1	14-11-98
Wilson, John	Canmore	2	15-11-98
Watkins, John W.	Canmore	3	15-11-98
Waite, Archibald	Taber	11	6- 7-03
Wilson, Wm. Geo.	Coleman	3	20-12-05
Watters, John	Bankhead	5	20-12-05
Webb, Jas. E.	Canmore	42	8- 4-05
Welsh, Wm. R.	Lundbreck	9	3- 1-07
*Wright, John S.	Canmore	12	3- 1-07
Wrigley, Walter	Cadomin	37	10- 1-08
Willmott, William	Canmore	38	10- 1-08
Watters, A. G.	Banff	49	29- 5-08
Weston, Thomas	Edmonton	73	7- 4-09
White, Harry	Hillcrest	90	29-11-09
Williams, Walter E.	Edmonton	213	31-10-12
Williams, John J.	Edmonton	223	25-11-12
Whitefield, Isaac	Coalhurst	15	10- 3-14
Williams, John T.	Belleview	33	23- 5-14
Wesnedge, William	Nanaimo, B.C.	58	5-12-14
Wardrop, James	Canmore	72	16- 2-15
Worthington, Thomas	Lethbridge	92	1- 9-15
Wallwork, William	Taber	118	10- 7-16
Watkins, James M.	Taber	128	26- 7-16
Williams, Albert	Edmonton	138	25- 9-16
Wilcox, William J.	Edson	140	11-11-16
Willets, Frederick	Lethbridge	162	10- 7-17
Wilson, Alexander	Midlandvale	169	17- 7-17
Wolstoncroft, Robert	Commerce	175	17- 7-17
Watson, Adam G.	Calgary	215	1- 6-18
Wheatcroft, Fred Jr.	Drumheller	225	8- 6-18
White, John M.	Lethbridge	233	14- 6-18
Warren, Michael	Edmonton	304	26- 7-20
Womersley, Alfred	Redcliff	316	26- 7-20
Wright, S. P. T.	Coalhurst	336	26- 7-20
Walker, H. M.	Belleview	368	26- 7-20
Watson, James	Edmonton	378	1- 8-21
Woolett, Charles	Edmonton	379	1- 8-21
Walker, Charles C.	Wayne	385	1- 8-21
White, William	Hillcrest	388	1- 8-21
White, Alfred	Hillcrest	389	1- 8-21
Wheatcroft, George L.	Wayne	394	1- 8-21
Wilkie, John	Sheerness	405	1- 8-21
White, Robert	Nordegg	411	1- 8-21
White, William	Coleman	427	1- 8-21
Whyte, William	Lethbridge	446	16- 6-22
Williamson, John B.	Cadomin	473	31- 7-22
Wood, Matthew	Belleview	508	17- 5-23
Wylie, James	Commerce	520	17- 8-23
Weaver, William	Natal, B.C.	530	17- 8-23
Whitelaw, William	Blairmore	532	17- 8-23
Whelan, Charles J.	Newcastle P.O.	556	4-12-23
Williamson, David S.	Camrose	558	18-12-23
Waller, Herbert	Natal, B.C.	562	28-12-23
Willets, Norman	Hillcrest	571	24- 7-24
Williams, Hugh	Nordegg	577	1- 8-24
Wilton-Clark, Harry	Belleview	594	20- 7-25
Wheatley, Frank M.	Banff	599	20- 7-25
Wiswell, Byron	Blairmore	637	6- 8-26
Wilson, Samuel	Drumheller	639	20- 8-26
Whittaker, William C.	Coal Valley	643	25- 5-27
Westcott, Henry M.	Wayne	651	1- 8-27
Warneboldt, Julius	Chilliwack, B.C.	658	1- 9-27
Withington, Harry E.	Newcastle P.O.	664	14-10-27
White, Harry J.	Coalhurst	677	19- 7-28
Woollney, Karl	Belleview	681	1- 8-28
Wiltse, Donald H.	Edmonton	688	1- 8-28
Whitehead, J. W.	England	712	7- 6-29
Williams, L. A.	Edmonton	768	4- 6-30
Womersley, E.	Blairmore	783	10- 6-30
Williams, H. A.	Mountain Park	792	3- 7-30
White, Michael	Drumheller	806	29-10-30
Williams, Walter	Alix	29	13- 7-31
Walsh, James C.	Belleview	34	13- 7-31
Williams, D. J.	Mountain Park	35	13- 7-31
Watkin, Geo. E.	Bittern Lake	59	2- 6-32
Walton, Geo. A.	Forestburg	67	25- 6-32
Watson, David	Leduc	77	11- 7-32
White, George	Nordegg	83	24- 8-32
Williams, Wm.	Barnwell	87	23- 9-32
Woodward, Clarence	Belleview	94	16- 2-33
Wilkinson, James	Bragg Creek	116	3- 7-33
Watters, David G.	Drumheller	120	29- 7-33
Wiltse, Floyd N.	Forestburg	125	29- 7-33
Wilson, Charles	Lethbridge	130	8- 9-33
Williams, John	Barnwell	161	16- 6-34

List of Names of Holders of Third Class Certificates—Continued

Name	Address	Cert. No.	Date of Issue
White, John	Nordegg	210	10- 8-35
Wright, S. P. T.	East Coulee	243	1- 2-37
Whyte, David	Pipestone Creek	253	11- 6-37
Waddington, Daniel M.	Coleman	259	23- 6-37
Wheatley, James W.	Banff	276	4-10-37
Wheeler, Albert	Clyde	282	24- 3-38
Wolff, Alfred	Willow Creek	387	12- 8-39
Watters, John J.	Edmonton	12	19- 9-40
Wakaruk (Walker), John J.	Newcastle	48	20- 7-42
Young, Thomas	Taber	57	11- 1-09
Young, Samuel	Cardiff	101	18- 1-10
Yates, James	Coleman	504	15- 2-23
Young, David B.	Picture Butte	581	25- 9-24
Young, Robert	Newcastle P.O.	603	25- 7-25
Young, Robert	Newcastle P.O. (duplicate)	788	14- 6-30
Young, Albert	Foreman	159	16- 6-34
Young, John	Drumheller	214	29- 8-35
Young, Warren	Wayne	216	30- 8-35
Young, Charles	Newcastle	278	10-11-37
Yarham, John L.	Forestburg	321	8- 8-38
Yorko, Simon A.	Shaughnessy	345	8- 6-39
Yard, Lloyd Geo.	Trochu	373	22- 6-39
Zak, Albert	Commerce	324	26- 7-20
Zambo, Joseph	Aerial	292	10- 6-38
Zaputil, Frank W.	Rosedale	397	12- 9-39

*Deceased.

List of Names of Holders of Mine Surveyors' Certificates

Aspinall, Francis	Vancouver	1	7- 8-15
Adam, William A.	Lethbridge	40	21- 8-15
Ashburner, Edward	Medicine Hat	79	1- 9-15
Allen, Peter	Wayne	109	23-11-15
Atkins, Cecil B.	Edmonton	162	17- 7-23
Brown, John	Calgary	30	20- 8-15
Billington, Edward E.	England	42	23- 8-15
Bilteryst, Jean	Calgary	73	1- 9-15
*Black, Ernest D.	Nova Scotia	75	1- 9-15
Baxter, Andrew W.	Calgary	119	23-11-15
Brown, Hugh R.	Carbon	125	10- 7-16
Brown, Thomas	Edmonton	133	17-11-17
Burgess, Wilfred D.	Trail, B.C.	169	18-12-23
Coulthard, Robert W.	Toronto, Ont.	20	7- 8-15
Church, James A. H.	Nova Scotia	21	7- 8-15
Charlesworth, Lionel C.	Edmonton	22	7- 8-15
*Callander, Ira C.	Pocahontas	39	21- 8-15
Charbonnier, Jules	Blairmore	72	1- 9-15
*Cote, Jean L.	Edmonton	80	1- 9-15
Caultley, Reginald H.	Edmonton	81	1- 9-15
*Crowder, James	Blairmore	111	23-11-15
Cook, Arnold B.	Calgary	113	23-11-15
Cummin, Charles H.	Edmonton	135	3- 7-18
*Crowder, Harry	Drumheller	152	26- 7-20
Congdon, Milton H.	Blairmore	157	1- 8-21
Clement, Adolph L.	Cadomin	158	1- 8-21
Cameron, Alan E.	Edmonton	154	9- 3-21
Carthew, John T.	England	164	17- 7-23
Chavignaud, Louis G.	Hinton	165	17- 7-23
*Davidson, W. A.	Rosedale	7	7- 8-15
*Drinnan, Robert G.	Edmonton	8	7- 8-15
DeHart, Joseph B.	Lethbridge	45	23- 8-15
*Dougall, Ralph	Bankhead	49	23- 8-15
Drummond, Leonard E.	Edmonton	51	23- 8-15
Dunn, Alex. C.	Edmonton	55	23- 8-15
*Darbyshire, James	Drumheller	69	1- 9-15
Duggan, William H.	Foothills	84	1- 9-15
*Driscoll, Alfred	Edmonton	91	7- 9-15
Dennin, Frederick W.	England	100	9- 9-15
Davis, Alfred	Lethbridge	114	23-11-15
Daniell, G. W. B.	Nanaimo, B.C.	126	10- 7-16
Donaldson, C. S.	Lethbridge	151	26- 7-20
Dewis, Clifford S.	Canmore	163	1- 8-22
Drinnan, R. G. Jr.	Edmonton	181	8- 8-30
Dwarkin, L. M.	Coleman	2	30-10-41
Donaldson, Adam G.	Lethbridge	4	6- 8-43
Elliott, Edward P.	Pocahontas	33	20- 8-15
Ellis, William	Three Hills	94	7- 9-15
*Evans, Daniel	Edmonton	123	29-12-15
Elliott, G. R.	Calgary	150	26- 7-20
*Fraser, Norman	Edmonton	15	7- 8-15
Foot, Robert G.	Coleman	54	23- 8-15

THE MINES BRANCH

List of Names of Holders of Mine Surveyors' Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Finnie, Oswald S.	Ottawa	57	23- 8-15
Flint, William G.	Edmonton	76	1- 9-15
Fortner, Edward	Tennessee, U.S.A.	83	1- 9-15
*Fraser, A. T.	Edmonton	121	18-11-15
Foster, William	Robb	167	1- 9-23
French, Merritt H.	Calgary	3	22- 8-33
Fraser, Arthur A.	Coleman	8	2- 9-37
Green, Raoul	Calgary	70	1- 9-15
Gallon, Emile	France	89	7- 9-15
Gray, David	Washington, U.S.A.	110	23-11-15
*Gheur, Ernest	Nordegg	129	22- 2-17
Graham, A. E.	Coleman	168	15- 9-23
Gardner, H. H.	Coleman	180	23- 7-29
Hutchison, David	Hillcrest	29	20- 8-15
*Huntrods, E. S. F.	Taber	34	20- 8-15
*Hardie, W. D. L.	Lethbridge	50	23- 8-15
*Holden, Jas. O. E.	Drumheller	46	23- 8-15
*Hargreaves, James	Victoria, B.C.	52	23- 8-15
Hamilton, James F.	Lethbridge	56	23- 8-15
Henderson, Thomas R.	Scotland	67	1- 9-15
Hutchison, William	Hillcrest	68	1- 9-15
Hamilton, Robert	Three Hills	74	1- 9-15
Horne, Thomas	Edson	82	1- 9-15
*Harrison, Stephen	Lethbridge	85	1- 9-15
Hyde, Marcus L.	California	95	7- 9-15
*Hamilton, W. L.	Lethbridge	117	23-11-15
Hamilton, Allan	Drumheller	131	7- 7-17
Hall, W. E. G.	Blairmore	143	2- 7-19
Hetherington, W. B.	British Columbia	144	9- 7-19
Higgins, Alexander	Calgary	145	15- 7-19
Hollies, R. T.	Edmonton	156	1- 8-21
Hunter, A. B.	Edmonton	153	9- 3-21
Howells, N.	Wayne	160	3-11-21
Hnatyshyn, Andrew C.	Luscar	171	24- 7-24
Hughes, Edward	Mayerthorpe	174	25- 9-24
Hewitt, Herbert E.	Blairmore	6	7- 8-36
Hamilton, Duncan C.	Drumheller	10	1-10-38
Jones, Samuel A.	Nanaimo, B.C.	26	19- 8-15
Jones, David	Edmonton	32	20- 8-15
*Johnson, Moses	Blairmore	130	7- 7-17
Jones, John R. B.	Hinton	5	1- 8-36
*Kellogg, George	Coleman	105	23-11-15
*Kellett, Walton	Lethbridge	47	23- 8-15
*Knight, R. R.	Edmonton	96	9- 9-15
Knight, Sidney	Ottawa	122	3-12-15
Kidd, G. L. S.	Drumheller	132	10-10-17
Kelly, O. G.	Carbondale	2	29- 7-33
*Livingstone, Robert	Lethbridge	9	7- 8-15
*Lee, Robert	Estevan, Sask.	64	1- 9-15
Lavoie, G. A.	United States	44	23- 8-15
Lyster, H. M.	Toronto, Ont.	77	1- 9-15
*Leblanc, Emile	Wayne	107	23-11-15
Lindoe, Luke	Coleman	136	3- 7-18
Lewis, John W.	Mountain Park	159	10-10-21
Livingstone, Robt. D.	Lethbridge	11	25- 7-39
*Morris, J. J.	Canmore	14	7- 8-15
Morris, R. H.	Virginia, U.S.A.	17	7- 8-15
Milne, M. C.	Virginia, U.S.A.	78	1- 9-15
*Mills, Harry W.	Bankhead	92	7- 9-15
Maxwell, W.	Westville, N.S.	93	7- 9-15
Millar, A. A.	Edmonton	97	9- 9-15
Meldrum, Wm.	Lethbridge	98	9- 9-15
Moodie, K. S.	Vancouver	101	9- 9-15
Marshall, J. W.	Evansburg	106	23-11-15
*Marsh, John	Taber	124	4- 4-16
Morgan, O.	Saunders	148	26- 7-20
Moore, H. D.	Edmonton	149	26- 7-20
Mullen, John	Trail, B.C.	172	24- 7-24
Melniky, N.	Cadomin	182	10- 9-30
Morgan, T. E.	Hillcrest	183	29-10-30
Morris, William	Edmonton	12	1- 8-39
Morgan, Evan	Blairmore	3	14- 7-43
McNeill, W. F.	Calgary	6	7- 8-15
McLeod, John A.	Cadomin	35	20- 8-15
McLenhan, J. A.	Coalspur	37	21- 8-15
Macaulay, A. G.	Midlandvale	41	23- 8-15
Macaulay, D. A.	Drumheller	60	31- 8-15
McCulloch, James	Vancouver, B.C.	104	23-11-15
McDonald, Duncan	Drumheller	118	23-11-15
*McVicar, Samuel	Beaver Mines	120	23-11-15
*McDonald, John R.	Edmonton	128	22- 2-17
McMullen, Arthur	Nordegg	1	26- 7-31
O'Donnell, Thomas	Rosedale	102	9- 9-15
Pitcher, Norman C.	Edmonton	10	7- 1-15

List of Names of Holders of Mine Surveyors' Certificates—Continued

Name	Address	Cert. No.	Date of Issue
*Parker, John L.	Canmore	11	7- 8-15
Pickles, Wm.	Edmonton	24	18- 8-15
*Puckett, O. L.	Robb	31	20- 8-15
Ponton, G. M.	Calgary	63	1- 9-15
Piard, Marc	Blairmore	88	7- 9-15
Powell, A. E.	Lundbreck	108	23-11-15
Pascoe, Thomas	Mountain Park	178	1- 8-27
Pratt, John	Coleman	4	22- 7-35
Quigley, Daniel H.	Calhurst	142	2- 7-19
Reid, J. C.	Oklahoma, U.S.A.	12	7- 8-15
Richards, J. A.	Edmonton	13	7- 8-15
*Robertson, J. D.	Edmonton	23	7- 8-15
Robertson, J.	Drumheller	61	1- 9-15
Reid, A. H.	Oklahoma, U.S.A.	62	1- 9-15
Robert, L. P.	Blairmore	65	1- 9-15
Raisbeck, Luke	Drumheller	103	23-11-15
Ritchie, D. W.	Edmonton	134	28- 6-18
Robinson, W. E.	Coleman	139	11- 7-18
Riddell, J. G.	Coleman	147	26- 7-21
Richards, M. C. Russell	Blairmore	166	15- 9-23
*Richards, C. C.	Calgary	43	23- 8-15
Rhynas, Melville G.	Pincher Creek	9	1-11-37
*Shaw, William	Edmonton	25	19- 8-15
*Stockett, Lewis	Vancouver	2	7- 8-15
Stirling, John T.	Scotland	19	7- 8-15
*Smith, Frank B.	Edmonton	3	7- 8-15
Scott, A. N.	Luscar	36	20- 8-15
Shanks John	Nordegg	58	28- 8-15
Stevenson, Wm.	Hillcrest	59	31- 8-15
Stevens, Leonard C.	Edmonton	66	1- 9-15
Sutherland, C. C.	Edmonton	86	3- 9-15
Stevenson, J.	Seattle, Wash.	116	23-11-15
Sherwin, P. M.	Scotland	127	22- 1-17
Smith, T. E.	Montana, U.S.A.	137	3- 7-18
Steele, F. M.	Calgary	146	23- 3-20
Sparks, H. E.	Ontario	155	1- 8-21
Shanks, David	Nordegg	161	3- 4-22
Shaw, Norman	Edmonton	170	16- 7-24
Stewart, R. T.	Edmonton	173	11- 8-24
Thorne, B. L.	Calgary	18	7- 8-15
*Thornton, Norman M.	Edmonton	16	7- 8-15
*Thomas, Jos. D.	Naemine	115	23-11-15
*Turner, John H.	Calhurst	141	2- 7-19
Utley, Frederick W.	Bellevue	177	26- 7-26
*Whiteside, O. E. S.	Coleman	27	19- 8-15
Williams A. E.	Saunders	38	21- 8-15
*Wain, W. Holt	Canmore	4	7- 8-15
*Wilson, D. G.	Bankhead	5	7- 8-15
Williams, T. B.	Calgary	48	23- 8-15
Watson, R. H.	Edmonton	53	23- 8-15
*Williams, W. P.	Bellevue	71	1- 9-15
Watters, John	Banff	87	3- 9-15
Wilson, W. R.	Fernie, B.C.	90	7- 9-15
*Wark, Samuel D.	Evansburg	99	9- 9-15
Wheeler, James S.	Calgary	112	23-11-15
Wright, Edwin	Fernie, B.C.	138	11- 7-18
Wilton-Clark, Harry	Coleman	175	20- 7-25
Wilson, William	Drumheller	176	14- 8-25
Whittaker, William C.	Coal Valley	179	6- 8-27
Whigham-Teasdale, Jas. R.	Drumheller	7	18- 8-37
Wilson, Andrew	Rosedale Station	1	19- 7-41
*Young, W. H.	Calgary	28	19- 8-15

*Deceased.

List of Names of Holders of Mine Electricians' Certificates

Anderson, Julius	Wayne	87	10- 9-40
Angelo, Steve	Drumheller	88	10- 9-40
Arndt, Joseph H.	Drumheller	61	30- 9-39
Biamonte, Antonio	Clover Bar	1	25- 9-39
Brotherston, Robert A.	Clover Bar	2	25- 9-39
Broderick, Gideon	Cammore	14	30- 9-39
Blas, Emile	Blairmore	28	30- 9-39
Blake, Gwilym	Blairmore	29	30- 9-39
Bell, Harold	Lethbridge	39	30- 9-39
Berlando, Tully	Aerial	49	30- 9-39
Buzenus, Christopher	Drumheller	51	30- 9-39
Belley, Thomas	Mountain Park	76	24- 9-39
Brown, Hugh R.	Carbon	95	12- 9-40
Eucholtz, Robert C.	Redcliff	98	16- 9-40
Barrell, William	Ardney	101	14-11-40

List of Names of Holders of Mine Electricians' Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Burch, George	Shaughnessy	107	29- 9-41
Beaton, Geo. M.	Luscar	116	15-10-42
Conlin, Richard	Drumheller	50	30- 9-39
Clark, James	East Coulee	59	30- 9-39
Cartledge, Harold L.	Edmonton	67	9-11-39
Callan, Lawrence	Cadomin	78	24-11-39
Chapman, James R.	Alexo	84	25- 5-40
Craig, Andrew	Nacmine	91	11- 9-40
Devonshire, George H.	Canmore	15	30-10-39
Dibblee, Edwin W.	Coleman	26	30- 9-39
Dutfield, George	Coleman	27	30- 9-39
Dore, Vincent F.	Coal Valley	70	24-11-39
Dolanz, Steve	Three Hills	81	21-12-39
Dolanz, Iggie	Three Hills	82	21-12-39
Edwards, Mark	Entwistle	100	14-11-40
Fraser, James	Coleman	31	30- 9-39
Ford, John C.	Drumheller	53	30- 9-39
Freypocs, John	East Coulee	60	30- 9-39
Fox, Alfred	Carbon	83	21-12-39
Finlayson, John C.	Robb	102	15-11-40
Gilchrist, J. N.	Wabamun	5	27- 9-39
Grover, Henry	Calgary	16	30- 9-39
Gregor, Victor	Bellevue	17	30- 9-39
Godfrey, Wiley R.	Coleman	18	30- 9-39
Gidman, Joseph H.	Taber	40	30- 9-39
Grant, Alexander	Rosedale	47	30- 9-39
Horne, Robert	Drinnan	4	27- 9-39
Hunter, James	Edmonton	8	27- 9-39
Hallworth, Fredrick W.	Bellevue	23	30- 9-39
Henderson, John R.	Nacmine	46	30- 9-39
Herman, Martin	Drumheller	48	30- 9-39
Higgins, William	Drumheller	52	30- 9-39
Hansen, Knud	Midlandvale	55	30- 9-39
Hoole, Wm.	East Coulee	86	10- 9-40
Henderson, Patrick H.	Lethbridge	97	16- 9-40
Hodgkinson, John L.	Evansburg	112	21-11-41
Heidel, H. G.	Priddis	117	12-11-43
Iwasiuik, Harry	Wabamun	7	27- 9-39
Johnson, Albert E.	Drumheller	85	10- 9-40
King, William G.	Lethbridge	37	30- 9-39
King, Samuel D.	Iron Springs	41	30- 9-39
Lambert, Louis J.	Edmonton	3	27- 9-39
Lister, Alexander B.	Edmonton	9	27- 9-39
Lawrence, Charles G.	Hillcrest	19	30-10-39
Lain, John T.	Foothills	69	24-11-39
Lattin, Albert	Drumheller	89	10- 9-40
Laslop, Ignac	Midlandvale	92	11- 9-40
Lavis, Stewart	Drumheller	119	12-11-43
Mitchell, Robert	Coleman	20	30- 9-39
Murdoch, Stewart	Coleman	21	30- 9-39
Millett, Fernley E.	Blairmore	22	30- 9-39
Montalbetti, Ralf A.	Coleman	32	30- 9-39
Mileson, Thomas H.	Lethbridge	34	30- 9-39
Milner, Robert	Lethbridge	44	30- 9-39
Munro, James H.	Lethbridge	45	30- 9-39
Murdoch, Horace	Rosedale	56	30- 9-39
Marsh, Cyril	Drumheller	57	30- 9-39
Millo, Michael	East Coulee	65	30- 9-39
Mellett, Percy M.	Sterco	71	24-11-39
Mathison, Matthew	Robb	72	24-11-39
Miller, William J.	Cadomin	79	24-11-39
MacDonald, Edwin M.	Bellevue	24	30- 9-39
McKay, Fred	Blairmore	25	30- 9-39
McGregor, Hector	Lethbridge	36	30- 9-39
McMahon, James	Lethbridge	38	30- 9-39
McLeod, Fraser	Meroal	74	24-11-39
Manning, Thomas	Drumheller	93	11- 9-40
Musgrove, Fred	Canmore	105	1-10-41
McQuillan, D. J.	Saunders	113	15-10-42
Nelson, Cais E.	Lethbridge	42	30-10-39
Nelson, Leonard G.	Lethbridge	96	16- 9-40
Oiphant, Cyril	Carbon	80	21-12-39
O'Dwyer, John J.	Midlandvale	90	10- 9-40
Oliver, Kenneth	Taber	109	1-10-41
Porter, Glen	Luscar	77	24-11-39
Phillips, Robert	Edmonton	111	21-11-41
Reishus, Odin K.	East Coulee	63	30- 9-39
Raisbeck, Luke	East Coulee	64	30- 9-39
Root, Clarence	Robb	73	24-11-39
Riordan, Leo	Edmonton	104	1- 5-41
Ransom, Albert S.	Nacmine	118	12-11-43
Smith, Eric W.	Nordegg	12	30- 9-39
Shanks, David S.	Nordegg	13	30- 9-39
Sbora, John	Drumheller	54	30- 9-39

List of Holders of Mine Electricians Certificates—Continued

Name	Address	Cert. No.	Date of Issue
Speight, James A.	Midlandvale	58	30- 9-39
Skow, Arthur M.	Drumheller	62	30- 9-39
Stacey, Alfred R.	Hinton	68	30- 9-39
Stewart, R. T.	Edmonton	99	14-11-40
Trysinsky Stanley	Hinton	103	23-12-40
Thackray, John	Shaughnessy	108	1-10-41
Tait, Burton	Edmonton	110	21-11-41
Vasek, Steven	Coleman	33	30-10-39
Wilson, Glen H.	Edmonton	6	27- 9-39
Waters, William J.	Saunders	10	30- 9-39
Wilson, John	Nordegg	11	30- 9-39
Warn, Roland	Bellevue	30	30- 9-39
Webster, James S.	Shaughnessy	35	30- 9-39
Wyatt, Douglas	Diamond City	43	30- 9-39
Weston, Clarence E.	Rosedale	66	30- 9-39
Watson, James S.	Mountain Park	75	24-11-39
Wilson, Mike	Willow Creek	94	12- 9-40
Wollersheim, Phillip	Drumheller	106	1-10-41
Worobec, Wm. N.	Bellevue	114	15-10-42
Weins, Wm. J.	Drumheller	115	15-10-42

*Deceased.

THE MINES BRANCH

NUMBER OF MINES OPENED, ABANDONED AND RE-OPENED ACCORDING TO AREAS AND KIND OF COAL, DURING THE YEAR

Area	Area Number	Character of Coal	No. of Mines in operation Dec. 31, 43				Name and Address of District Inspector of Mines
			Mines opened during the year	Mines re-opened during the year	Mines closed but not abandoned	Mines abandoned during the year	
Ardley	1	Domestic	7	2	1	1	
Big Valley	2	Domestic	4	2	2	2	
Camrose	5	Domestic	5	2	2	2	
Carbon	6	Domestic	7	1	1	1	
Castor	8	Domestic	24	2	6	2	John Crawford, Qu'Appelle Bldg., Tel. No. 28612.
Edmonton	15	Domestic	14		4	1	
Pembina	31	Domestic	1	2	1	1	
Tofield	42	Domestic	3				
Wetaskiwin	45	Domestic	1				
Brooks	3	Domestic	2				
Champion	9	Domestic	3				
Lethbridge	8	Domestic	9	1	1	1	
Milk River	22	Domestic	2		1	1	W. E. G. Hall, Lethbridge, Alta., Tel. No. 3325.
Pakowki	28	Domestic	2				
Redcliff	34	Domestic	2				
Taber	41	Domestic	5	3	1		
Coalspur	11	Sub-Bituminous	6				A. Muir,
Mountain Park	24	Bituminous	4	1			Edson, Alta.,
Pembina	31	Domestic	3	3	1	1	Tel. No. 35.
Prairie Creek	33	Sub-Bituminous	1	1			
Crowsnest	12	Bituminous	7		1	3	E. H. Morgan,
Pincher	32	Sub-Bituminous	1				Blairmore, Alta., Tel. No. 70.
Carbon	6	Domestic	4	1		1	
Cascade	7	Bituminous	2				
Drumheller	14	Domestic	2		1		W. G. Heeley, New Court House Building,
(Wayne)							Calgary, Alta., Tel. No. M842-84.
Gleichen	17	Domestic	3				
Nordegg	25	Bituminous	2				
Pekisko	30	Sub-Bituminous	2	1			
Saunders	36	Sub-Bituminous	2			1	
Drumheller	14	Domestic	22	2	2	1	J. A. Dutton,
Gleichen	17	Domestic	3		1		Drumheller, Alta.,
Sheerness	38	Domestic	6	1	1	1	Tel. No. 413.
Edmonton	15	Domestic	12	1	1	1	
Halcourt	18	Domestic	4	2	2	4	A. B. Hunter,
Whitecourt	46	Domestic	1	2	2	1	Edmonton, Alta.,
Rochester	35	Domestic	2				Tel. No. 916415.
		Total	180	27	22	27	17

In addition to the above, Mr. A. B. Hunter, 10898 75th Street, Edmonton, is acting in the capacity of Assistant Chief Inspector of Mines, Telephone No. 72212.

In addition to the above, Mr. Burton Tait is the Electrical Inspector for all mines in the Province. His address is 5 Normandie Apts., and the Telephone No. 23716.

NEW CLASSIFICATION OF ALBERTA COALS BY AREAS, AS SUBMITTED BY THE
ASSOCIATE COMMITTEE OF EACH CLASSIFICATION

Areas	A S.T.M. Rank (D388-38) and Class											
	Anthracite			Bituminous			Sub-Bituminous		Lignite			
	Group	Meta-anthracite	Anthracite	Semi-anthracite	Low volatile	Medium volatile	High volatile A	High volatile B	High volatile C	Sub-bituminous A	Sub-bituminous B	Sub-bituminous C	Brown coal
Ardley	1											
Big Valley	2											
Brooks	3											
Brule	4											
Camrose	5											
Carbon	6											
Cascade	7			*								
Castor	8											
Champion	9											
Clearwater†	10											
Coalspur	11											
Crowsnest	12-13											
Drumheller	14											
Edmonton	15											
Empress†	16											
Gleichen	17											
Halcourt	18											
Highwood	19											
Lethbridge	20											
Magrath†	21											
Milk River	22											
Morley†	23											
Mountain Park	24											
Nordegg	25											
Oldman†	26											
Pakan†	27											
Pakowki	28											
Panther†	29											
Pekisko	30											
Pembina	31											
Pincher	32											
Prairie Creek	33											
Redcliff	34											
Rochester	35											
Saunders	36											
Sexsmith†	37											
Sneerness	38											
Smoky River†	39											
Steveville†	40											
Taber	41											
Tofield	42											
Valhalla†	43											
Wainwright†	44											
Westlock†	45											
Wetaskiwin	46											
Whitecourt	47											

†Non-producing district at present.

*Kind or rank of coal is indicated at the heading of this column.

PARTICULARS OF OPERATING MINES IN THE VARIOUS AREAS

ARDLEY AREA

F. A. Straub—Mine No. 255

Mine Office: Alix, Alberta.
Overman: F. A. Straub.
Location of Mine: N.E. $\frac{1}{4}$ L.S. 5, Sec. 17, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Cover: 40 feet.
Thickness of Seam: 4½ feet.
Stripping operation. Truck mine.

J. W. Sissons—Mine No. 809

Mine Office: Alix, Alberta.
Overman: Clive Sissons.
Mine Surveyor: Robert Hamilton.
Location of Mine: E. of C.N.R. L.S. 6, Sec. 33, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 5 feet. Inclination of Seam: Horizontal.
Thickness of Cover: 42 feet.
Form of Opening: Stripping operation.
Truck mine.

James Blades—Mine No. 969

Mine Office: Delburne, Alberta.
Overman: James Blades.
Mine Surveyor: L. C. Stevens.
Location of Mine: L.S. 14, Sec. 10, Tp. 38, Rge. 22, W. 4th Mer.
Thickness of Seam: 3½ ft.
Inclination of Seam: Horizontal.
Thickness of Cover: 60 feet.
Form of Opening: Slope. Size of Slope: 5 ft. 6 in. by 6 ft. Length of Slope: 150 feet. Truck mine.

Alexander J. Johnson—Mine No. 1018

Mine Office: Ardley, Alberta.
Overman: Alex. J. Johnson.
Mine Surveyor: David Jones.
Location of Mine: L.S. 17, Sec. 17, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 5½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 to 100 feet.
Form of Opening: Drift. Size of Drift: 6 ft. by 7 ft. Truck mine.

Carl B. Karp—Mine No. 1135

Mine Office: Delburne, Alberta.
Overman: Carl B. Karp.
Mine Surveyor: David Jones.
Location of Mine: L.S. 4, Sec. 7, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 55 feet.
Form of Opening: Entry. Size of Entry: 6 ft. by 6 ft.
Truck mine.

John Lynass—Mine No. 1322

Mine Office: Delburne, Alberta.
Overman: John Lynass.
Mine Surveyor: David Jones.
Location of Mine: L.S. 16, Sec. 7, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 75 feet.
Form of Opening: Drift. Size of Opening: 6 ft. by 7 ft.
Truck mine.

Chas. O. Russell—Mine No. 1488

Mine Office: Alix, Alberta.
Overman: Chas. O. Russell.
Mine Surveyor: David Jones.
Location of Mine: W. $\frac{1}{2}$ L.S. 3, Sec. 29, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 to 75 feet.
Form of Opening: Drift. Size of Opening: 6½ ft. by 4 ft. 9 in.
Truck mine.

Kehl & McGladrie—Mine No. 1586

Mine Office: Nevis, Alberta.
Overman: R. McGladrie.
Mine Surveyor: David Jones.
Location of Mine: L.S. 4 and 5, Sec. 35, Tp. 37, Rge. 22, W. 4th Mer.
Thickness of Seam: 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 100 feet.
Form of Opening: Shaft.
Truck mine.

Myers & Munro—Mine No. 1605

Mine Office: Ardley, Alberta.
Overman: S. S. Munro.
Location of Mine: L.S. 12, Sec. 35, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam:
Inclination of Seam: Horizontal.
Thickness of Cover:
Stripping operation. Truck mine.

William Barrell—Mine No. 1613

Mine Office: Ardley Alberta.
Overman: W. Barrell.
Mine Surveyor: David Jones.
Location of Mine: L.S. 10, Sec. 20, Tp. 38, Rge. 23, W. 4th Mer.
Thickness of Seam: 5½ ft. to 6 ft.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 to 100 feet.
Stripping operation. Truck mine.

BIG VALLEY AREA

Big Valley Coal Co.—Mine No. 864

Mine Office: Big Valley, Alberta.
Acting Manager: Robert Baxter.
Mine Surveyor: David Jones.
Location of Mine: L.S. 16, Sec. 26, Tp. 35, Rge. 20, W. 4th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 15 to 80 feet.
Form of Opening: Slope. Size of Opening: 6 ft. by 8 ft.
Truck and C.N.R. Mine.

James McKinlay—Mine No. 1189

Mine Office: Huxley, Alberta.
Overman: James McKinlay.
Mine Surveyor: David Jones.
Location of Mine: E. $\frac{1}{2}$ of E. $\frac{1}{2}$ L.S. 13, and L.S. 14 of Sec. 3, Tp. 34, Rge. 22, W. 4th Mer.
Thickness of Seam: 3 ft. 3 in.
Inclination of Seam: Horizontal.
Thickness of Cover: 10 to 75 feet.
Form of Opening: Drift. Size of Drift: 5 ft. by 6 ft.
Truck mine.

Robert Campkin—Mine No. 1254

Mine Office: Lousana, Alberta.
Overman: Robert Campkin.
Mine Surveyor: David Jones.
Location of Mine: S.W. $\frac{1}{4}$ L.S. 16, Sec. 12, Tp. 36, Rge. 22, W. 4th Mer.
Thickness of Seam: 4 ft. 4 in.
Inclination of Seam: Horizontal.
Thickness of Cover: 15 to 150 feet.
Form of Opening: Slope. Size of Slope: 6 ft. by 6 ft. Length of Slope: 112 feet.
Truck mine.

John A. Ginther—Mine No. 1376

Mine Office: Perbeck, Alberta.
Overman: J. A. Ginther.
Mine Surveyor: Alex. Higgins.
Location of Mine: L.S. 7, Sec. 30, Tp. 34, Rge. 21, W. 4th Mer.
Thickness of Seam: 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 25 to 75 feet.
Form of Opening: Slope. Size of Slope: 5 ft. by 5 ft. Length of Slope: 100 feet.
Truck mine.

BROOKS AREA

Kleenbirn Collieries, Ltd.—Mine No. 1329
 Authorized Capital: \$250,000.
 Name of President: James Balfour.
 Names of Directors: James Balfour, J. G. Westgate.
 Name of Secretary-Treasurer: J. G. Westgate.
 Mine Office: Eyremore, Alberta.
 General Manager: J. G. Westgate.
 Mine Surveyor: Gordon L. Kidd.
 Overman: A. Queen.
 Location of Mine: L.S. 3, Sec. 16, Tp. 17, Rge. 17, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 120 feet.
 Form of Opening: Slope. Size of Slope: 6ft. by 6ft. Length of Slope: 336 feet.
 Truck and C.P.R. mine.

Birnwel Coal, Ltd.—Mine No. 1404
 Authorized Capital: \$20,000.00.
 Name of President and General Manager: J. G. Westgate.
 Name of Secretary-Treasurer: J. E. Muir.
 Head Office: 309 8th Ave. W., Calgary, Alberta.
 Mine Office: Eyremore, Alberta.
 Mine Surveyor: Gordon L. Kidd.
 Location of Mine: L.S. 8, Sec. 15, Tp. 17, Rge. 17, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 20 to 25 feet.
 Stripping operation.
 Truck and C.P.R. mine.

CAMROSE AREA

Joe Proskow—Mine No. 241
 Mine Office: Dinant, Alberta.
 Overman: J. Proskow.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 4, Sec. 18, Tp. 48, Rge. 19, W. 4th Mer.
 Thickness of Seam: 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 15 feet.
 Stripping operation. Truck mine.

Stoney Creek Collieries, Ltd.—Mine No. 244
 Authorized Capital: \$50,000.
 Name of President: D. Twomey Jr.
 Names of Directors: F. L. Farley, E. M. Farley, Alice Twomey, D. Twomey Jr.
 Name of Secretary: F. L. Farley.
 Name of Treasurer: D. Twomey Jr.
 Mine Office: Camrose, Alberta.
 General Manager: D. Twomey Jr.
 Mine Surveyor: David Jones.
 Mine Manager: D. O. Roberts.
 Location of Mine: L.S. 1, Sec. 33, Tp. 46, Rge. 20, W. 4th Mer.
 Thickness of Seam: 4½ ft.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 35 to 80 feet.
 Form of Opening: Slope. Size of Slope: 6½ ft. by 5½ ft. Length of Slope: 150 feet.
 Truck mine.

L. Strilczyk—Mine No. 610
 Mine Office: Ohaton, Alberta.
 Overman: L. Strilczyk.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 8, Sec. 10, Tp. 48, Rge. 18, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 18 feet.
 Stripping operation. Truck mine.

Red Flame Coal Co., Ltd.—Mine No. 1420
 Authorized Capital: \$20,000.
 Name of President: John Russell.
 Names of Directors: John Russell, Alex. Russell, R. Shortreed.

Name of Secretary: R. Shortreed.
 Mine Office: Round Hill, Alberta.
 Mine Manager: John Russell.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 14, Sec. 19, Tp. 48, Rge. 18, W. 4th Mer.
 Thickness of Seam: 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 84 feet.
 Form of Opening: Slope. Size of Slope: 6ft. by 8ft. Length of Slope: 220 feet.
 Truck and C.N.R. mine.

GEO. SHUTE & PARTNERS—Mine No. 1524
 Mine Office: Dinant, Alberta.
 Overman: Geo. Shute.
 Mine Surveyor: David Jones.
 Location of Mine: E. ½ Sec. 7, Tp. 48, Rge. 19, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 17 feet.
 Stripping operation.
 Truck mine.

Camrose Collieries, Ltd.—Mine No. 1603
 President and Managing Director: D. Twomey, Jr.
 Mine Office: Camrose, Alberta.
 Mine Surveyor: David Jones.
 Location of Mine: Sec. 29, Tp. 46, Rge. 19, W. 4th Mer.
 Thickness of Seam: 4ft. 8in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 20 feet.
 Stripping operation. Truck mine.

CARBON AREA

Spencer & Dolphin—Mine No. 53
 Mine Office: Carbon, Alberta.
 Overman: H. Dolphin.
 Mine Surveyor: David Jones.
 Location of Mine: S.W. ¼ L.S. 3, Sec. 14, Tp. 29, Rge. 23, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 feet.
 Form of Opening: Tunnels. Size of Tunnels: 6ft. by 7ft.
 Truck mine.

Albert Trentham—Mine No. 113
 Mine Office: Three Hills, Alberta.
 Overman: Albert Trentham.
 Mine Surveyor: J. R. Whigham-Teasdale.
 Location of Mine: L.S. 16, Sec. 26, Tp. 31, Rge. 24, W. 4th Mer.
 Thickness of Seam: 4¾ ft.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 70 feet.
 Form of Opening: Slope. Size of Slope: 5ft. by 5ft. Length of Slope: 220 feet.
 Truck mine.

Canadian Dinant Coal Co., Ltd.—Mine No. 384
 Authorized Capital: \$23,020.
 Name of President: Jessie M. Halbert.
 Names of Directors: Jessie M. Halbert, Jas. McGuire.
 Name of Secretary: Jas. McGuire.
 Mine Office: Three Hills, Alberta.
 Manager: Jas. B. Touhey.
 Mine Surveyor: David Jones.
 Overman: Joseph Thompson.
 Location of Mine: L.S. 3, Sec. 36, Tp. 21, Rge. 24, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Thickness of Cover: 160 feet.
 Inclination of Seam: Dips 1% N.
 Form of Opening: Shaft. Size of Shaft: 12ft. by 7½ ft. Depth of Shaft: 160 feet.

Jas. W. Ryning—Mine No. 690
 Mine Office: Rowley, Alberta.
 Overman: Jas. W. Ryning.
 Mine Surveyor: David Jones.

Location of Mine: L.S. 4, Sec. 13, Tp. 32, Rge. 21, W. 4th Mer.
 Thickness of Seam: 5ft. 3in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 108 feet.
 Form of Opening: Shaft. Size of Shaft: 6ft. by 8ft. Depth of Shaft: 108 feet.
 Truck mine.

Yard & Son—Mine No. 710

Mine Office: Trochu, Alberta.
 Overman: Lloyd G. Yard.
 Mine Surveyor: David Jones.
 Location of Mine: S.E. $\frac{1}{4}$ L.S. 9, Sec. 14, Tp. 33, Rge. 23, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Dips 1% North.
 Thickness of Cover: 80 feet.
 Form of Opening: Drift. Size of Opening: 5ft. by 5ft.
 Truck mine.

Otto Schlender—Mine No. 921

Mine Office: Trochu, Alberta.
 Overman: Otto Schlender.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 15, Sec. 14, Tp. 33, Rge. 23, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 60 feet.
 Form of Opening: Drift. Size of Drift: 7ft. by 5ft.
 Truck mine.

Alfred Fox (East Carbon Coal Co.)—Mine No. 1060

Mine Office: Carbon, Alberta.
 Overman: Alfred Fox.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 12 and 13, Sec. 7, Tp. 29, Rge. 22, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 to 200 feet.
 Form of Opening: Level drift. Size of Opening: 6ft. by 6ft.
 Truck mine.

C. C. Campbell—Mine No. 1226

Mine Office: Trochu, Alberta.
 Overman: A. E. Staite.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: W. $\frac{1}{2}$ L.S. 9, Sec. 29, Tp. 33, Rge. 22, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 45 to 100 feet.
 Form of Opening: Level drift. Size of Drift: 6ft. by 7ft.
 Truck mine.

Richard Bradshaw—Mine No. 1283

Mine Office: Trochu Alberta.
 Overman: Richard Bradshaw.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 8, Sec. 14, Tp. 33, Rge. 23, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 30 to 80 feet.
 Form of Opening: Slope. Size of Slope: 5ft. by 6ft. Length of Slope, 150 feet.
 Truck mine.

Balogh Bros.—Mine No. 1359

Mine Office: Carbon, Alberta.
 Overman: Aron Balogh.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 8, Sec. 13, Tp. 29, Rge. 23, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 to 150 feet.
 Form of Opening: Drift. Size of Opening: 6ft. by 8ft.
 Truck mine.

Nuttal & Davidson—Mine No. 1499

Mine Office: Three Hills, Alberta.
 Overman: W. W. Davidson.
 Mine Surveyor: J. R. Whigham-Teasdale.
 Location of Mine: L.S. 1, Sec. 9, Tp. 31, Rge. 22, W. 4th Mer.
 Thickness of Seam: 4 $\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 8 to 25 feet.
 Stripping operation. Truck mine.

W. Pastorchik & Partners—Mine No. 1538

Mine Office: Three Hills, Alberta.
 Overman: W. Pastorchik.
 Mine Surveyor: Gordon L. Kidd.
 Location of Mine: S.E. $\frac{1}{4}$ L.S. 10, Sec. 9, Tp. 31, Rge. 22, W. 4th Mer.
 Thickness of Seam: 4 $\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 15 to 30 feet.
 Stripping operation. Truck mine.

Peerless Coal Co.—Mine No. 1600

Mine Office: Carbon, Alberta.
 Manager: H. R. Brown.
 Mine Surveyor: H. R. Brown.
 Location of Mine: L.S. 2, Sec. 15, Tp. 29, Rge. 23, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 to 200 feet.
 New operation.

CASCADE AREA

The Canmore Mines, Ltd.—Mine No. 2

Authorized Capital: \$1,000,000.
 Name of President: Edmund Hayes.
 Names of Directors: B. Frank Crane, F. E. Weyerhaeuser, A. C. Smith, W. R. Stewart, R. M. Young, L. S. Headley.
 Name of Secretary: J. E. A. MacLeod.
 Name of Treasurer: Louis S. Headley.
 Mine Office: Canmore, Alberta.
 General Manager: R. M. Young.
 Mine Manager: W. Wilson.
 Mine Surveyor: C. S. Dewis.
 Overmen: Jos. Cole, H. Musgrave.
 Fire-bosses: W. S. Appleby, J. Brown, M. Carmichael, A. Fox, A. Knudson, A. Kowal, W. P. Lythowski, W. Monkton, V. Mrokvia, Jr., J. Miskow, H. Niskanen, L. Riordan, B. Rogers, J. Wardrop.
 Location of Mine: N.E. $\frac{1}{4}$ Legal S.D. 1, Sec. 29, Tp. 24, Rge. 10, W. 5th Mer.
 Thickness of Seam: Morris Seam, 8ft.; Stewart Seam, 4 to 8 ft. No. 4 Seam, 10 to 11 feet.
 Inclination of Seams: Average 15 degrees.
 Thickness of Cover: 350 to 1,000 feet.
 Form of Opening: Slope. Size of Slope: Stewart and Morris, 16ft. by 8ft.; No. 4 Seam, 16ft. by 8-ft.-13ft. Length of Slopes: Stewart and Morris, 700 feet; No 4 Seam, 1,500 feet.

Frank Wheatley & Sons—Mine No. 1244

Mine Office: Banff, Alberta.
 Mine Manager: Frank Wheatley.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 12, Sec. 4, Tp. 26, Rge. 11, W. 5th Mer.
 Thickness of Seam: 9 feet.
 Inclination of Seam: 35-45 degrees.
 Thickness of Cover: 400 feet.
 Form of Opening: Tunnel.

CASTOR AREA

John Tyrlirk—Mine No. 251

Mine Office: Heisler, Alberta.
 Overman: John Tyrlirk.
 Mine Surveyor: David Jones.
 Location of Mine: S.W. $\frac{1}{4}$ L.S. 16, Sec. 28, Tp. 42, Rge. 17, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 70 feet.

Form of Opening: Tunnel. Size of Opening: 6ft. by 7ft.
Truck mine.

Bailey Bros. & Jackson—Mine No. 289
Mine Office: Gadsby, Alberta.
Overman: H. W. Jackson.
Mine Surveyor: David Jones.
Location of Mine: N.W. $\frac{1}{4}$ L.S. 11, Sec. 28, Tp. 39, Rge. 16, W. 4th Mer.
Thickness of Seam: 4 to 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 feet.
Form of Opening: Slope. Size of Slope: 5ft. by 6ft. Slope, 135 feet long.
Truck mine.

James Chiswick—Mine No. 291
Mine Office: Gadsby, Alberta.
Overman: James Chiswick.
Mine Surveyor: David Jones.
Location of Mine: S. $\frac{1}{2}$ L.S. 11, Sec. 28, Tp. 39, Rge. 16, W. 4th Mer.
Thickness of Seam: $3\frac{1}{2}$ to 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 10 to 35 feet.
Form of Opening: Slope. Size of Slope: 6ft. by 7ft. by 75 feet long.
Truck mine.

Max LeGear—Mine No. 447
Mine Office: Forestburg, Alberta.
Overman: Max LeGear.
Mine Surveyor: David Jones.
Location of Mine: L.S. 13, Sec. 28, Tp. 40, Rge. 15, W. 4th Mer.
Thickness of Seam: $7\frac{1}{2}$ ft.
Inclination of Seam: Horizontal.
Thickness of Cover: 15 to 30 feet.
Form of Opening: Shaft. Size of Shaft: 5ft. by 6ft. Depth of Shaft: 30 feet.
Truck mine.

John Sank—Mine No. 615
Mine Office: Heisler, Alberta.
Overman: John Sank.
Mine Surveyor: David Jones.
Location of Mine: S. $\frac{1}{2}$ L.S. 1, Sec. 28, Tp. 42, Rge. 17, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 70 feet.
Form of Opening: Slope.
Truck mine.

K. M. Coal Mine—Mine No. 666
Mine Office: Forestburg, Alberta.
Overman: G. A. Curtis.
Mine Surveyor: David Jones.
Location of Mine: L.S. 16, Sec. 2, Tp. 41, Rge. 16, W. 4th Mer.
Thickness of Seam: 7 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 15 to 30 feet.
Stripping operation. Truck mine.

O. V. Remillard—Mine No. 902
Mine Office: Castor, Alberta.
Overman: O. V. Remillard.
Mine Surveyor: David Jones.
Location of Mine: L.S. 16, Sec. 33, Tp. 37, Rge. 14, W. 4th Mer.
Thickness of Seam: 4 to 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 45 feet.
Slope: 6 by 6ft., 104 feet long.
Truck mine.

F. G. Meek—Mine No. 911
Mine Office: Heisler, Alberta.
Overman: F. G. Meek.
Mine Surveyor: David Jones.
Location of Mine: L.S. 1, Sec. 33, Tp. 42, Rge. 17, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 75 feet.
Form of Opening: Slope. Size of Slope: 6ft. by 6ft. Length of Slope: 104 feet.
Truck mine.

Ben Hronek—Mine No. 913
Mine Office: Halkirk, Alberta.
Overman: Ben Hronek.
Mine Surveyor: David Jones.
Location of Mine: L.S. 1, Sec. 7, Tp. 39, Rge. 15, W. 4th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 40 to 80 feet.
Form of Opening: Slope. Size of Slope: 6ft. by 6ft. Length of Slope: 142 feet.
Truck mine.

C. H. Hanson—Mine No. 948
Mine Office: Rosalind, Alberta.
Overman: Fred Ewing.
Mine Surveyor: David Jones.
Location of Mine: L.S. 6, Sec. 8, Tp. 43, Rge. 17, W. 4th Mer.
Thickness of Seam: $4\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 feet.
Form of Opening: Slope. Size of Slope: 6ft. by 8ft. Length of Slope: 100 feet.
Truck mine.

William Jones—Mine No. 953
Mine Office: Forestburg, Alberta.
Overman: William Jones.
Mine Surveyor: David Jones.
Location of Mine: L.S. 8, Sec. 32, Tp. 40, Rge. 15, W. 4th Mer.
Thickness of Seam: $4\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 34 feet.
Form of Opening: Shaft. Size of Shaft: 5ft. by 5ft. Depth of Shaft: 34 feet.
Truck mine.

J. F. Cordel—Mine No. 1046
Mine Office: Halkirk, Alberta.
Overman: J. H. Ainsworth.
Mine Surveyor: David Jones.
Location of Mine: L.S. 6, Sec. 20, Tp. 40, Rge. 15, W. 4th Mer.
Thickness of Seam: 8 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 25 to 40 feet.
Form of Opening: Slope. Size of Slope: 125 feet in length.
Truck mine.

Chas. Strader—Mine No. 1062
Mine Office: Halkirk, Alberta.
Overman: Chas. Strader.
Mine Surveyor: David Jones.
Location of Mine: L.S. 4, Sec. 17, Tp. 39, Rge. 15, W. 4th Mer.
Thickness of Seam: $5\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 35 to 75 feet.
Form of Opening: Drift. Size of Drift: 6ft. by 8ft.
Truck mine.

Anthony O'Brien—Mine No. 1232
Mine Office: Halkirk, Alberta.
Overman: A. O'Brien.
Mine Surveyor: David Jones.
Location of Mine: N.W. $\frac{1}{4}$, Sec. 25, Tp. 40, Rge. 16, W. 4th Mer.
Thickness of Seam: 7 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 150 feet.
Form of Opening: Tunnel. Size of Opening: 7ft. by 7ft.
Truck mine.

James Wilkinson—Mine No. 1237
Mine Office: Halkirk, Alberta.
Overman: James Wilkinson.
Mine Surveyor: David Jones.
Location of Mine: L.S. 11, Sec. 8, Tp. 39, Rge. 15, W. 4th Mer.
Thickness of Seam: 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 50 feet.
Truck mine.

W. T. Phillips—Mine No. 1240

Mine Office: Castor, Alberta.
Overman: W. T. Phillips.
Mine Surveyor: David Jones.
Location of Mine: L.S. 1 & 2, Sec. 4, Tp. 38, Rge. 14, W. 4th Mer.
Thickness of Seam: 4½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 46 feet.
Form of Opening: Slope. Size of Opening: 5ft. by 5ft. Length of Slope: 150 feet.
Truck mine.

Thomas Mitchinson—Mine No. 1248

Mine Office: Donalda, Alberta.
Overman: Thomas Mitchinson.
Mine Surveyor: David Jones.
Location of Mine: L.S. 5, Sec. 29, Tp. 41, Rge. 17, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 25 to 150 feet.
Form of Opening: Drift. Size of Opening: 6ft. by 8ft.
Truck mine.

Joseph Haden—Mine No. 1343

Mine Office: Castor, Alberta.
Overman: Joseph Haden.
Mine Surveyor: David Jones.
Location of Mine: L.S. 3 and 6, Sec. 3, Tp. 38, Rge. 14, W. 4th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 feet.
Stripping operation. Truck mine.

James Bradley—Mine No. 1349

Mine Office: Foreman, Alberta.
Overman: James Bradley.
Mine Surveyor: David Jones.
Location of Mine: L.S. 16, Sec. 26, Tp. 40, Rge. 16, W. 4th Mer.
Thickness of Seam: 6½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 60 feet.
Form of Opening: Drift. Size of Drift: 6ft. by 8ft.
Truck mine.

Mrs. Dan Shaw—Mine No. 1361

Mine Office: Castor, Alberta.
Overman: Thomas Shaw.
Mine Surveyor: David Jones.
Location of Mine: L.S. 9, Sec. 33, Tp. 37, Rge. 14, W. 4th Mer.
Thickness of Seam: 4ft. 4in.
Inclination of Seam: Horizontal.
Thickness of Cover: 60 feet.
Form of Opening: Slope. Size of Slope: 5ft. by 5ft. Length of Slope: 124 feet.
Truck mine.

James Easton—Mine No. 1417

Mine Office: Castor, Alberta.
Overman: James Easton.
Mine Surveyor: David Jones.
Location of Mine: N. ½ L.S. 6 and 14, Sec. 34, Tp. 37, Rge. 14, W. 4th Mer.
Thickness of Seam: 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 30 to 60 feet.
Form of Opening: Slope. Size of Slope: 5ft. by 5ft. Length of Slope: 120 feet.
Truck mine.

E. Lien—Mine No. 1435

Mine Office: Edberg, Alberta.
Overman: A. Mitchinson.
Mine Surveyor: David Jones.
Location of Mine: S. ½ L.S. 11, Sec. 2, Tp. 44, Rge. 19, W. 4th Mer.
Thickness of Seam: 4ft. 8in.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 feet.
Form of Opening: Drift. Size of Drift: 5ft. by 6ft.
Truck mine.

Marshall & Heisz Coal Co.—Mine No. 1441

Mine Office: Donalda, Alberta.
Overman: J. W. Marshall.
Mine Surveyor: J. W. Marshall.
Location of Mine: L.S. 12, Sec. 16, Tp. 42, Rge. 17, W. 4th Mer.
Thickness of Seam: 10ft. 10in.
Inclination of Seam: Horizontal.
Thickness of Cover: 128 feet.
Form of Opening: Drift. Size of Opening: 7ft. by 6ft.
Truck mine.

F. N. Wiltse—Mine No. 1485

Mine Office: Halkirk, Alberta.
Overman: F. N. Wiltse.
Mine Surveyor: David Jones.
Location of Mine: N. ½ L.S. 9, S. ½ L.S. 16, Sec. 31, Tp. 39, Rge. 15, W. 4th Mer.
Thickness of Seam: 5ft. 8in.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 to 70 feet.
Form of Opening: Tunnel. Size of Opening: 5ft. by 6ft.
Truck mine.

H. C. Muncy—Mine No. 1541

Mine Office: Foreman, Alberta.
Overman: H. C. Muncy.
Mine Surveyor: David Jones.
Location of Mine: L.S. 15, Sec. 26, Tp. 40, Rge. 16, W. 4th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 65 feet.
Form of Opening: Shaft. Size of Opening: 5ft. by 5ft. Depth of Shaft: 65 feet.
Truck mine.

Frank E. Wilkinson—Mine No. 1572

Mine Office: Donalda, Alberta.
Overman: Nicholas Fry.
Mine Surveyor: David Jones.
Location of Mine: L.S. 5, Sec. 28, Tp. 41, Rge. 17, W. 4th Mer.
Thickness of Seam: 5ft. 3in.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 to 150 feet.
Form of Opening: Drift. Size of Opening: 5ft. by 5ft.
Truck mine.

Bish Bros.—Mine No. 1578

Mine Office: Forestburg, Alberta.
Overman: H. B. Campbell.
Mine Surveyor: David Jones.
Location of Mine: L.S. 15, Sec. 36, Tp. 40, Rge. 16, W. 4th Mer.
Thickness of Seam: 8 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 38 feet.
Form of Opening: Shaft. Size of shaft: 5ft. by 7ft. Depth of Shaft, 40 feet.
Truck mine.

J. J. Mills—Mine No. 1587

Mine Office: Heisler, Alberta.
Overman: J. J. Mills.
Mine Surveyor: David Jones.
Location of Mine: L.S. 5, Sec. 22, Tp. 42, Rge. 17, W. 4th Mer.
Thickness of Seam: 8 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 feet.
Form of Opening: Slope. Size of Slope: 6½ft. by 7ft.
Truck mine.

Castor Creek Collieries, Ltd.—Mine No. 1608

Mine Office: Castor, Alberta.
Foreman: William Brown.
Location of Mine: S. ½ L.S. 6, N. ½ L.S. 3, Sec. 3, Tp. 38, Rge. 14, W. 4th Mer.
Thickness of Seam: 4½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: Up to 20 feet.
Stripping operation. Truck mine.

Alfred Sorkin—Mine No. 1614

Mine Office: Killam, Alberta.
 Overman: Alfred Sorken.
 Location of Mine: L.S. 16, Sec. 26, Tp. 40, Rge. 16, W. 4th Mer.
 Thickness of Seam: 6½ feet.
 Inclination of Seam: Horizontal.
 Stripping operation. Truck mine.

CHAMPION AREA**A. Fraser & Sons—Mine No. 758**

Mine Office: Carmangay, Alberta.
 Overman: A. Fraser.
 Mine Surveyor: J. F. Hamilton.
 Location of Mine: N.W. ¼ L.S. 14, Sec. 25, Tp. 14, Rge. 22, W. 4th Mer.
 Thickness of Seam: 2 to 2½ feet.
 Inclination of Seam: Undulating.
 Thickness of Cover: 85 feet.
 Form of Opening: Drift.
 Truck mine.

A. M. S. McGaw—Mine No. 1509

Mine Office: Champion, Alberta.
 Overman: A. M. S. McGaw.
 Mine Surveyor: J. F. Hamilton.
 Location of Mine: L.S. 16, Sec. 33, Tp. 15, Rge. 23, W. 4th Mer.
 Thickness of Seam: 3ft. to 3ft. 4in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 65 feet.
 Form of Opening: Slope. Size of Opening: 6ft. by 5ft. Length of Slope: 155 feet.
 Truck mine.

Mike Popovich—Mine No. 1565

Mine Office: Champion, Alberta.
 Overman: W. E. Watkins.
 Mine Surveyor: J. F. Hamilton.
 Location of Mine: L.S. 9, Sec. 8, Tp. 16, Rge. 13, W. 4th Mer.
 Thickness of Seam: 3ft. 8in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 105 feet.
 Form of Opening: Slope. Size of Slope: 6ft. by 6ft. Length of Slope: 250 feet.
 Truck mine.

COALSPUR AREA**The Sterling Collieries Co., Ltd.—Mine No. 769**

Authorized Capital: \$500,000.
 Name of President: R. H. Munson.
 Names of Directors: C. B. Munson, R. H. Milner, W. F. Stevenson, S. W. Field, F. J. Mitchell.
 Name of Secretary-Treasurer: F. J. Mitchell.
 Head Office: 912 McLeod Building, Edmonton, Alberta.
 Mine Office: Sterco, Alberta.
 Manager: J. Halroyd.
 Mine Surveyor: R. H. Watson.
 Location of Mine: L.S. 12, Sec. 35, Tp. 47, Rge. 20, W. 5th Mer.
 Thickness of Seam: 50 to 120 feet.
 Thickness of Cover: 15 to 75 feet.
 Open pit strip operation, Mine on Canadian National Railway.

The Foothills Collieries, Ltd.—Mine No. 771

Authorized Capital: \$300,000.
 Name of President: A. E. Windatt.
 Names of Directors: E. H. Bennest, Vice-President; Hon. S. R. Vereker, F. S. Andrews, H. Wallace.
 Name of Secretary-Treasurer: C. D. Shepard.
 Office of Secretary: 222 Portage Ave., Winnipeg, Man.
 Mine Office: Foothills, Alberta.
 General Manager: A. E. Windatt.
 Asst. General Manager: W. L. Hammett.
 Mine Manager: Wm. Morris.

Mine Surveyor: L. C. Stevens.
 Overman: G. E. Deere.

Firebosses: J. E. Mitchell, P. Kiernan, E. Griffiths.
 Location of Mine: L.S. 10, Sec. 24, Tp. 47, Rge. 20, W. 5th Mer.
 Thickness of Seam: 9 feet.
 Inclination of Seam: 20 to 25 degrees.
 Thickness of Cover: 820 feet.
 Form of Opening: Slope. Size of Slope: 10ft. by 12ft. Length of Slope: 1,650 ft. Mine on C.N.R.

Lakeside Coals, Ltd.—Mine No. 775

Authorized Capital: \$660,000.
 Name of President: E. A. McBain.
 Names of Directors: E. A. McBain, W. W. McBain, W. A. McBain, W. Foster.
 Name of Secretary: W. A. McBain.
 Head Office: 93rd St. and Jasper Ave., Edmonton, Alberta.
 Mine Office: Robb, Alberta.
 Mine Surveyor: Wm. Foster.
 Mine Manager: John Brady.
 Overman: Dan Jones.
 Firebosses: W. Birrell, Wm. Thirwell, E. Bryant, W. Harrop.
 Location of Mine: L.S. 3, Sec. 14, Tp. 49, Rge. 21, W. 5th Mer.
 Thickness of Seam: 8ft. 6in.
 Inclination of Seam: 32 degrees.
 Thickness of Cover: 800 feet.
 Form of Opening: Slope. Size of Slope: 8ft. by 11ft. Length of Slope: 1,200 ft. Mine on C.N.R.

McLeod River Hard Coal Co. (1941), Ltd.—Mine No. 846

Authorized Capital, 100,000 share without nominal or par value.
 Name of President: J. A. Boyd.
 Names of Directors: J. A. Boyd, R. W. Steele, Arthur Cross, George Kidd, Gordon Cockshutt.
 Name of Secretary-Treasurer: S. V. Isaacson.
 Head Office: Toronto, Ont.
 Mine Office: Mercoal, Alberta.
 General Manager: H. R. Plommer.
 Mine Manager: Wm. Stevenson.
 Mine Surveyor: Wm. Stevenson.
 Overmen: E. Jones, J. Hall.
 Firebosses: E. Fregren; J. Herpshaw, J. Parry, A. Reynolds.
 Location of Mine: L.S. 5 Sec. 25, Tp. 48, Rge. 22, W. 5th Mer.
 Thickness of Seam: 11 feet.
 Inclination of Seam: 33 degrees.
 Thickness of Cover: 600 feet.
 Form of Opening: Slope. Size of Opening: 6ft. by 8ft. Length of Slope, 1,000 ft. Mine on C.N.R.

Coal Valley Mining Co., Ltd.—Mine No. 1002

Authorized Capital: \$1,000,000.
 Name of President: (Mrs.) Annette L. Barry.
 Names of Directors: Mrs. A. L. Barry, P. H. Cote, A. J. McCormach, Hon. A. Blais, M.D., C. E. Davignon, E. T. Bishop, K.C., C. H. Branchaud, G. A. Thibault.
 Name of Secretary-Treasurer: Paul H. Cote.
 Head Office: 705 McLeod Building, Edmonton, Alberta.
 Mine Office: Coal Valley, Alberta.
 General Manager: Mrs. A. L. Barry.
 Mine Manager and Surveyor: L. G. Chavignaud.
 Location of Mine: L.S. 16, Sec. 26, Tp. 47, Rge. 20, W. 5th Mer.
 Thickness of Seam: Indefinite.
 Thickness of Cover: 15 to 75 feet.
 Stripping operation on C.N.R.

Thirty-two Collieries, Ltd.—Mine No. 1157

Authorized Capital: \$100,000.
 Name of President: David Millar.

Names of Directors: D. Millar, A. M. Matheson, B. A. Ogilvie.
 Name of Secretary: A. M. Matheson.
 Head Office: 308 Agency Building, Edmonton, Alberta.
 Mine Office: Mile 32, Robb, Alberta.
 Mine Manager: David Millar.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 11, Sec. 15, Tp. 49, Rge. 21, W. 5th Mer.
 Thickness of Seam: 10ft. 8in.
 Inclination of Seam: 36° 40'.

Thickness of Cover: 450 feet.
 Form of Opening: Slope. Size of Slope: 9ft. by 12ft. Length of Slope: 500 ft.
 Mine on C.N.R.

CROWSNEST AREA

West Canadian Collieries, Ltd.—
 Mine No. 87

Authorized Capital: \$3,600,000.
 Name of President: Edouard Rasson.
 Names of Directors: A. E. Whitmore, Hon. Chas. Dunning, Da Silva Ramos, De Gaspe Beaubien.
 Name of Secretary-Treasurer: J. A. Brusset.
 Head Office: 833 Salisbury House, London, E.C. 2, England.
 Mine Office: Bellevue, Alberta.
 General Manager: J. A. Brusset.
 Mine Manager: M. H. Congdon.
 Mining Engineers or Surveyors: F. W. Utley and R. G. Foot.
 Overman: Dan Rees.
 Firebosses: H. Smith, D. Hutton, J. Shevels, W. Prescott, S. Richards, J. R. McLeod, H. Kaye, K. Wollney, D. Morris, I. Hutton, C. Young, G. Cousins, A. Grant, A. Emmerson.
 Location of Mine: L.S. 10, Sec. 20, Tp. 7, Rge. 3, W. 5th Mer.
 Thickness of Seam: 12 feet.
 Inclination of Seam: 10 to 48 degrees.
 Thickness of Cover: 775 feet.
 Form of Opening: Adit level.
 Mine on C.P.R.

International Coal & Coke Co., Ltd.—
 Mine No. 88

Authorized Capital: \$3,000,000.
 Name of President: Lorne A. Campbell.
 Names of Directors: L. A. Campbell, Hugh Davidson, H. A. Goward, G. M. Warren, A. F. Short, James Black, W. M. Lindsay, A. L. Johnson.
 Name of Secretary: A. F. Short.
 Name of Treasurer: J. Emmerson.
 Superintendent: J. J. McIntyre.
 Mine Manager: James Kellock.
 Mine Surveyor: A. A. Fraser.
 Overman: A. J. Brown.
 Firebosses: N. Fleming, J. C. Richards, T. Flynn, A. Jones, J. Moore, B. Bond, A. Tiberghien, H. Hillary, W. Fraser, Jr., J. Davies, J. Marconi, T. Mitchell.
 Location of Mine: L.S. 11, Sec. 8, Tp. 8, Rge. 4, W. 5th Mer.
 Thickness of Seams: No. 2 Seam, 11 feet; No. 4 Seam, 5 feet.
 Inclination of Seam: 30 degrees.
 Thickness of Cover: 1,200 feet.
 Form of Opening: Rock tunnel. Size of Opening: 6ft. by 9ft. Length of Slope: 2,400 feet.
 Mine on C.P.R.

Hillcrest-Mohawk Collieries, Ltd.—
 Mine No. 133

Authorized Capital: \$1,250,000.
 Name of President: Frank J. Turville.
 Names of Directors: F. J. Turville, T. M. Carlyle, W. L. Carlyle, Geo. Montgomery, F. J. Harquail, Eric Richardson, A. J. Davies, A. C. Johnson.
 Name of Secretary: Frank J. Harquail.
 Names of Joint Treasurers: Eric Richardson and F. J. Harquail.
 Head Office: 903 Lancaster Building, Calgary, Alberta.

Mine Office: Bellevue, Alberta.
 General Manager: D. B. Young.
 Mine Manager: Henry Miller.
 Mine Surveyor: M. Piard.
 Overman: J. Ironmonger.
 Firebosses: Jas. Sinclair, Alfred White, John Shearer, John McDade, Richard Clarke, Ernest Fisher, John Curray, Dan Kyle, Joe Hillary.
 Location of Mine: S.E. 1/4, Sec. 21, Tp. 7, Rge. 3, W. 5th Mer.
 Thickness of Seam: 10 to 16 feet.
 Inclination of Seam: 10 to 45 degrees.
 Thickness of Cover: 1,000 feet.
 Form of Opening: Rock tunnel.
 Mine on C.P.R.

Frank Holmes—Mine No. 199

Mine Office: Beaver Mines, Alberta.
 Overman: M. Wood.
 Location of Mine: L.S. 10, Sec. 3, Tp. 6, Rge. 3, W. 5th Mer.
 Thickness of Seam: 6 feet.
 Inclination of Seam: 25 to 35 degrees.
 Thickness of Cover: 250 feet.
 This mine being re-opened.

McGillivray Creek Coal & Coke Co., Ltd.—
 Mine No. 204

Authorized Capital: \$3,000,000.
 Name of President: Lorne A. Campbell; Vice-President, A. F. Short.
 Names of Directors: L. A. Campbell, H. A. Thoeny, H. A. Howard, G. M. Warren, W. M. Lindsay, A. L. Johnson, A. F. Short.
 Name of Secretary: A. F. Short.
 Name of Treasurer: S. C. Short.
 Mine Office: Coleman, Alberta.
 Mine Manager: L. M. McDonald.
 Mine Surveyor: A. E. Graham.
 Overman: H. Hulbert and J. Jackson, Sr.
 Firebosses: E. Allen, A. Beveridge, A. Galbraith, W. Hopkins, A. Hughes, I. A. James, R. Morris, A. McCulloch, T. McGregor, R. Parry, A. Rear, P. Smith.
 Location of Mine: S.W. 1/4 L.S. 2, Sec. 17, Tp. 8, Rge. 4, W. 5th Mer.
 Thickness of Seam: 10 feet.
 Inclination of Seam: 25 degrees.
 Thickness of Cover: 1,600 feet.
 Form of Opening: Slope. Size of Slope: 7ft. by 10ft. Length of Slope: 3,800 ft.
 Mine on C.P.R.

B. A. Wilson—Mine No. 295

Mine Office: Pincher Creek, Alberta.
 General Manager and Surveyor: M. G. Thynas.
 Overman: M. Wood.
 Location of Mine: L.S. 11, Sec. 10, Tp. 5, Rge. 1, W. 5th Mer.
 Thickness of Seam: 7 feet.
 Inclination of Seam: 25 to 35 degrees.
 Thickness of Cover: 250 feet.
 Form of Opening: Rock tunnel. Size of Opening: 6ft. by 8ft.
 Mine now abandoned.

West Canadian Collieries, Ltd.—
 Mine No. 396

Same particulars as for Mine No. 87.
 Mine Office: Blairmore, Alberta.
 Mine Manager: H. Blake.
 Mine Surveyor: T. E. Morgan.
 Overman: Marshall T. Hamilton.
 Firebosses: S. Patterson, W. North, C. C. Millar, John McAndrew, Jr., Wm. Patterson, Stanley Price, C. Cartwright, J. Patterson, A. Womersley, J. Maddison, James Lloyd, R. Draper, M. Aschacker.
 Location of Mine: L.S. 10, Sec. 2, Tp. 8, Rge. 4, W. 5th Mer.
 Thickness of Seam: 5 to 16 feet.
 Inclination of Seam: 40 degrees.
 Thickness of Cover: 1,000 feet.
 Form of Opening: Adit level.
 Mine on C.P.R.

**West Canadian Collieries, Ltd.—
Mine No. 1584**

Same particulars.

Location of Mine: L.S. 15, Sec. 31, Tp. 6,
Rge. 3, W. 5th Mer.**DRUMHELLER AREA****Rosedale Collieries, Ltd.—Mine No. 346**Authorized Capital: 20,000 shares, no par
value.

Name of President: John R. Brodie.

Names of Directors: J. R. Brodie, B. C.
Parker, H. F. Liggins, F. H. Nord,
J. F. Harvie.Name of Secretary-Treasurer: J. Frank
Harvie.Head Office: 909 Lancaster Building,
Calgary, Alberta.

Mine Office: Rosedale, Alberta.

Manager: Thos. O'Donnell.

Mine Manager: Wm. Barclay.

Mine Surveyor: Thos. O'Donnell.

Overman: D. Jones.

Firebosses: T. McDonald, J. Gallagher, W.
Hibbert, A. Rappell.Location of Mine: L.S. 14, Sec. 28, Tp. 28,
Rge. 19, W. 4th Mer.

Thickness of Seam: 4 to 5 feet.

Inclination of Seam: Horizontal.

Thickness of Cover: 150 feet.

Form of Opening: Shaft. Size of Shaft:
11ft. by 15ft.. Depth of Shaft: 45 ft.**Midland Coal Mining Co.—Mine No. 367**

Authorized Capital: \$50,000.

Name of President and Managing Director:
Mrs. S. L. McMullen.Names of Directors: Mrs. S. L. McMullen,
G. T. Richards, W. R. Sandercock.

Name of Secretary: S. G. McMullen.

Head Office: Drumheller, Alberta.

Mine Office: Midlandvale, Alberta.

General Manager: G. T. Richards.

Mine Manager: A. G. Macaulay.

Mine Surveyor: A. G. Macaulay.

Overman: J. McCutcheon.

Firebosses: M. Morel, W. B. Henry, H.
Looten, J. Oxbury, A. McKinnon, M.
Bobrosky, T. Gibson.Location of Mine: L.S. 10 and 11, Sec. 9,
Tp. 29. Rge. 20, W. 4th Mer.

Thickness of Seam: 5½ feet.

Inclination of Seam: Horizontal.

Thickness of Cover: Up to 520 feet.

Form of Opening: Shaft. Size of Shaft:
9ft. by 19ft.. Depth of Shaft: 135 feet.

Mine located on C.N.R.

**Red Deer Valley Coal Co., Ltd.—
Mine No. 402**

Authorized Capital: \$347,000.

Name of President: Miss Edith Howland.
Names of Directors: Miss Edith Howland,
W. S. Howland, H. J. Scott.

Name of Secretary: H. J. Scott.

Head Office: 227a 8th Ave. W., Calgary,
Alberta.

Mine Office: Nacline, Alberta.

General Manager: H. J. Scott.

Mine Manager: Idwal N. Potter.

Mine Surveyor: Gordon L. Kidd.

Overmen: George Lavis, Robert Dunn.

Firebosses: R. Clack, H. Potter, G. Cum-
berford, M. Trevethin, J. Young.Location of Mine: N.E. 1/4 Rd. Allow.
Sec. 7, Tp. 29, Rge. 20, W. 4th Mer.

Thickness of Seam: 5 feet.

Inclination of Seam: Horizontal.

Thickness of Cover: Up to 550 feet.

Form of Opening: Shaft. Size of Shaft:
15ft. by 8ft.. Depth of Shaft: 185 feet.

Mine located on C.P.R.

Commander Coal Co.—Mine No. 422

Authorized Capital: \$20,000.

Name of President: Dr. O. H. Patrick.
Names of Directors: Dr. O. H. Patrick,
L. Patrick, Mrs. L. F. Patrick, Mrs.G. Patrick, Mrs. L. Eaton.
Name of Secretary: L. Patrick.
Mine Office: Drumheller, Alberta.
Mine Manager: H. W. Clark.
Mine Surveyor: H. W. Clark.
Firebosses: A. Keith, C. Boughton, W.
Morse.Location of Mine: L.S. 5, Sec. 9, Tp. 29,
Rge. 20, W. 4th Mer.

Thickness of Seam: 5½ feet.

Inclination of Seam: Horizontal.

Thickness of Cover: Up to 520 feet.

Form of Opening: Shaft. Size of Shaft:
14ft. by 8ft.. Depth of Shaft: 160 feet.

Mine located on C.P.R.

Rosedale Collieries, Ltd. (Star Mine)**—Mine No. 436**

Same particulars as for No. 346.

Mine Office: Aerial, Alberta.

Mine Surveyor and Mine Manager: Thos.
O'Donnell.

Overman: Wm. McFegan.

Firebosses: I. Radoczy and E. Davies.

Location of Mine: S.E. 1/4 L.S. 7, Sec. 28,
Tp. 28, Rge. 19, W. 4th Mer.

Thickness of Seam: 5½ feet.

Inclination of Seam: Horizontal.

Thickness of Cover: 150 feet.

Form of Opening: Level. Size of Level:
6ft. by 9ft.**Newcastle Collieries, Ltd.—Mine No. 620**

Authorized Capital: \$300,000.

Name of President: G. N. Coyle.

Name of Vice-President: Wilson Gouge.

Names of Directors: Jesse Gouge, Wilson
Gouge, G. N. Coyle.Name of Secretary-Treasurer: Jesse
Gouge.

General Manager: Wilson Gouge.

Mine Office: Drumheller, Alberta.

Mine Manager and Surveyor: A. Hamilton
ton.

Overman: J. Conlin.

Firebosses: R. Forshaw, W. Kay, N.
Blackett, R. Dunn, A. Armstrong.Location of Mine: N.W. 1/4, Sec. 3, Tp. 29,
Rge. 20, W. 4th Mer.

Thickness of Seam: 5 feet.

Inclination of Seam: Horizontal.

Thickness of Cover: 450 to 490 feet.

Form of Opening: Shaft. Size of Shaft:
9ft. by 16ft.. Depth of Shaft: 120 feet.

Mine located on C.N.R.

Mape Leaf Minerals, Ltd.—Mine No. 728

Authorized Capital: \$500,000.

Name of President: Wilson Gouge.

Names of Directors: Wilson Gouge, Jesse
Gouge, Helen Gibson.Name of Secretary-Treasurer: Jesse
Gouge.

Head Office: Drumheller, Alberta.

Mine Office: East Coulee, Alberta.

General Manager: Jesse Gouge.

Mine Manager: Robert Tennant.

Mine Surveyor: Allan Hamilton.

Overman: A. Thompson.

Firebosses: R. Raisbeck, Robt. Steven-
son, R. Noblett, W. McFegan.Location of Mine: L.S. 13, Sec. 32, Tp. 27,
Rge. 18, W. 4th Mer.

Thickness of Seam: 5ft. 6in.

Inclination of Seam: Horizontal.

Thickness of Cover: Up to 325 feet.

Form of Opening: Drift.

Mine located on C.P.R.

Ben Pickering—Mine No. 764

Mine Office: Beynon, Alberta.

Overman: Ben Pickering.

Mine Surveyor: Gordon L. Kidd.

Location of Mine: W. 1/2 L.S. 2, L.S. 3,
Sec. 6, Tp. 28, Rge. 20, W. 4th Mer.

Thickness of Seam: 3ft. 4in.

Inclination of Seam: Horizontal.

Thickness of Cover: 75 feet.

Form of Opening: Slope. Size of Slope:
5ft. by 6ft.. Length of Slope: 30 feet.

E. Denio—Mine No. 815

Mine Office: Drumheller, Alberta.
Overman: E. Denio.
Mine Surveyor: Gordon L. Kidd.
Location of Mine: L.S. 13, Sec. 33, Tp. 27, Rge. 21, W. 4th Mer.
Thickness of Seam: 3ft. 7in.
Inclination of Seam: Horizontal.
Form of Opening: Tunnel. Length of Tunnel: 30 feet.

Ideal Coal Co., Ltd.—Mine No. 844

Authorized Capital: \$150,000.
Name of President: Thomas M. McGuckie.
Name of Director: Thomas M. McGuckie.
Name of Secretary-Treasurer: Mrs. E. Bandel.
Name of Manager: Thomas M. McGuckie.
Mine Surveyor: Duncan McDonald.
Mine Office: Wayne, Alberta.
Location of Mine: L.S. 16, Sec. 1, Tp. 28, Rge. 20, W. 4th Mer.
Thickness of Seam: 5ft. 5in.
Inclination of Seam: Horizontal.
Thickness of Cover: 150 feet.
Form of Opening: Slope. Size of Opening: 8ft. by 14ft. Length of Slope: 160 feet.
Mine located on C.N.R.

O. W. Whittaker—Mine No. 1117

Mine Office: Beynon, Alberta.
Overman: O. W. Whittaker.
Mine Surveyor: Gordon L. Kidd.
Location of Mine: L.S. 3, Sec. 6, Tp. 28, Rge. 20, W. 4th Mer.
Thickness of Seam: 3 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 feet.
Form of Opening: Slope.

Brilliant Coal Company—Mine No. 1258

Mine Office: Drumheller, Alberta.
Name of Secretary: G. H. Chambers.
Mine Manager: Russell Richards.
Overman: J. Saunt.
Mine Surveyor: Gordon L. Kidd.
Firebosses: A. Kluzza, J. Zambo.
Location of Mine: L.S. 14, Sec. 10, Tp. 29, Rge. 20, W. 4th Mer.
Thickness of Seam: feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 450 to 490 feet.
Form of Opening: Shaft and slope. Size of Shaft: 8ft. by 12ft., 120 feet in depth. Size of Slope: 6 feet.
Mine located on C.N.R.

Empire Collieries, Ltd.—Mine No. 1299

Authorized Capital: \$50,000.
Name of President: J. W. Moyer.
Names of Directors: J. W. Moyer, M. B. Peacock, E. A. Dunbar, B. K. Bullock, O. G. McNabb.
Name of Secretary-Treasurer: O. G. McNabb.
Head Office: 506 Lancaster Building, Calgary, Alberta.
Mine Office: East Coulee, Alberta.
General Manager: J. W. Moyer.
Mine Manager: Robert Dunn.
Mine Surveyor: L. C. Stevens.
Overman: P. Barclay.
Firebosses: W. Kay and P. Hunt.
Location of Mine: L.S. 2, Sec. 32, Tp. 27, Rge. 18, W. 4th Mer.
Thickness of Seam: 5½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 325 feet.
Form of Opening: Adit 5½ by 10 ft.
Mine located on C.P.R.

Hy-Grade Coal Mining Co., Ltd.—Mine No. 1421

Authorized Capital: \$100,000.
Name of President: Robert McKay.
Names of Directors: Robert McKay; J. G. Dewar, F. J. Whitlock.

Name of Secretary-Treasurer: F. J. Whitlock.
Acting General Manager: F. J. Whitlock.

Mine Manager: John T. Burton.
Overman: F. J. Murphy.
Mine Surveyor: A. G. Macaulay.
Firebosses: W. Mackie, W. Menzies, R. Forshaw, J. Taylor, E. Thomas.
Location of Mine: L.S. 13, Sec. 11, Tp. 29, Rge. 20, W. 4th Mer.
Thickness of Seam: 4 to 5 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: Approximately 500 feet.
Form of Opening: Shaft. Size of Shaft: 9ft. by 15ft. Depth of Shaft: 88 feet.
Mine located on C.N.R.

The Monarch Coal Mining Co., Ltd.—Mine No. 1473

Authorized Capital: \$70,000.
Name of President: E. A. Lovett.
Names of Directors: E. A. Lovett, P. R. Shields, T. C. Boyd, E. B. Gibb, H. A. Lovett, K.C.
Name of Secretary-Treasurer: E. B. Gibb.
Head Office: Wells Block, 405 8th Ave. W., Calgary, Alberta.
Mine Office: Drumheller, Alberta.
General Manager: E. A. Lovett.
Mine Manager: A. Wilson.
Mine Surveyor: A. Wilson.
Overman: J. Barrie.
Firebosses: G. Anderson, H. Darbyshire, M. Stevenson, F. Simpson, J. Fulton, R. Marsarn.
Location of Mine: L.S. 7, Sec. 8, Tp. 29, Rge. 20, W. 4th Mer.
Thickness of Seam: 5ft. 8in.
Inclination of Seam: Horizontal.
Thickness of Cover: 520 feet.
Form of Opening: Slope. Size of Slope: 6ft. by 9ft. Length of Slope: 600 feet.
Mine on C.P.R.

Regal Coal Co., Ltd.—Mine No. 1484

Same particulars as for Mine No. 422.
Mine Office: East Coulee, Alberta.
Mine Manager: H. Wilton Clark.
Overman: James Quinn.
Firebosses: A. B. Raisbeck, J. Raisbeck, A. Andrews, R. Chalmers, R. Ressig, J. Bachynski.
Location of Mine: N.W. ¼ L.S. 13, Sec. 21, Tp. 27, Rge. 18, W. 4th Mer.
Thickness of Seam: 5ft. 6in.
Inclination of Seam: Horizontal.
Thickness of Cover: 325 feet.
Form of Opening: Drift. Size of Opening: 7ft. by 16ft.
Mine on C.P.R.

Murray Collieries, Ltd.—Mine No. 1491

Authorized Capital: \$100,000.
Name of President: H. K. Reed.
Names of Directors: H. K. Reed, H. H. McVeigh.
Name of Secretary-Treasurer: H. K. Reed.
Head Office: Drumheller, Alberta.
Mine Office: East Coulee, Alberta.
General Manager: H. H. McVeigh.
Mine Manager: Duncan McDonald.
Mine Surveyor: Gordon L. Kidd.
Overman: George Nicol.
Firebosses: J. Cotterill, R. Steven, A. James, Martin Stanko.
Location of Mine: S.E. ¼, Sec. 29, Tp. 27, Rge. 18, W. 4th Mer.
Thickness of Seam: 5ft. 2in.
Inclination of Seam: Horizontal.
Thickness of Cover: 325 ft. max.
Form of Opening: Tunnel. Size of Opening: 16ft. by 7ft.
Mine on C.P.R.

Western Gem & Jewel Collieries, Ltd.—Mine No. 1493

Authorized Capital: \$750,000.
Name of President: W. S. Henderson.

Names of Directors: J. D. Henderson, Stewart Robertson, W. P. Gamble, W. B. Cromarty, J. F. Baron.
 Name of Secretary-Treasurer: J. D. Henderson.
 Head Office: 227 8th Ave. W., Calgary, Alberta.
 Mine Office: Cambria P.O., Alberta.
 Managing Director: W. S. Henderson.
 Mine Manager: John Robertson.
 Mine Surveyor: J. R. Whigham-Teasdale.
 Overman: F. Scarpino.
 Firebosses: K. Klatt, T. Coxon, T. Gordon, J. Redpath.
 Location of Mine: N.W. $\frac{1}{4}$ L.S. 6, Sec. 15, Tp. 28, Rge. 19, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 200 feet.
 Form of Opening: Drift. Size of Opening: 6ft. by 9ft.

Aetna Coal Co.—Mine No. 1511

Head Office: Drumheller, Alberta.
 Mine Office: East Coulee, Alberta.
 Mine Manager: P. M. Ramsay.
 Mine Surveyor: A. Hamilton.
 Fireboss: R. Niblett.
 Location of Mine: L.S. 1, Sec. 22, Tp. 28, Rge. 19, W. 4th Mer.
 Thickness of Seam: 7 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 400 feet max.
 Form of Opening: Drift. Size of Opening: 6ft. by 9ft.
 Mine on C.P.R.

E. B. Foye—Mine No. 1515

Mine Office: Willow Creek, Alberta.
 Overman: E. B. Foye.
 Mine Surveyor: D. Jones.
 Location of Mine: L.S. 10, Sec. 22, Tp. 28, Rge. 18, W. 4th Mer.
 Thickness of Seam: $3\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 400 feet.
 Form of Opening: Drift. Size of Opening: 5ft. by 6ft.
 Truck mine.

The Minute Coal Co.—Mine No. 1520

Name of Secretary-Treasurer: J. A. McKenzie.
 Mine Office: Drumheller, Alberta.
 General Manager: J. A. McKenzie.
 Overman: B. T. Brooks.
 Mine Surveyor: A. G. Macaulay.
 Location of Mine: L.S. 7, Sec. 14, Tp. 29, Rge. 20, W. 4th Mer.
 Thickness of Seam: $5\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 200 feet.
 Form of Opening: Tunnel. Size of Opening: 5ft. by 6ft.
 Truck to C.N.R.

Sovereign Coal Co., Ltd.—Mine No. 1570

Head Office: 703 Canada Bldg., Saskatoon, Sask.
 Mine Office: Wayne, Alberta.
 General Manager: W. A. Doyle.
 Overman: Neil Morrison.
 Mine Surveyor: A. G. Macaulay.
 Location of Mine: N.E. $\frac{1}{4}$ L.S. 8, Sec. 7, Tp. 28, Rge. 19, W. 4th Mer.
 Thickness of Seam: 9 feet.
 Inclination of Seam: Horizontal.
 New prospect opening up.

The Monarch Coal Mining Co., Ltd.—Mine No. 1573

Same particulars as for Mine No. 1473.
 Overman: A. Hooks.
 Firebosses: R. Cowan, I. Folden, P. Hutchison.
 Location of Mine: L.S. 1, Sec. 20, Tp. 27, Rge. 18, W. 4th Mer.

John Hamilton—Mine No. 1583
 Mine Office: Delia, Alberta.
 Overman: John Hamilton.
 Mine Surveyor: J. R. Whigham-Teasdale.
 Location of Mine: L.S. 8 and 9, Sec. 23, Tp. 28, Rge. 18, W. 4th Mer.

Thickness of Seam: 3ft. 5in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 300 feet.
 Form of Opening: Drift. Size of Opening: 6ft. by 7ft.
 Truck mine.

Arcadia Coal Mines, Ltd.—Mine No. 1589
 Same particulars as for Empire Collieries, Ltd.

Overman: R. Stevenson.
 Mine Surveyor: Gordon L. Kidd.
 Location of Mine: L.S. 16, Sec. 7, Tp. 28, Rge. 18, W. 4th Mer.
 Thickness of Seam: 2ft. 10in.
 Inclination of Seam: Horizontal.
 New mine being opened out.

Burn-Brite Coal Co.—Mine No. 1599

Mine Office: Drumheller, Alberta.
 Manager: J. Stenhouse.
 Mine Surveyor: A. G. Macaulay.
 Location of Mine: Sec. 22, Tp. 28, Rge. 18, W. 4th Mer.
 Thickness of Seam: 3 feet.
 Inclination of Seam: Horizontal.
 Stripping operation. Truck mine.

Dunphy Coal Co.—Mine No. 1601

Mine Office: Drumheller, Alberta.
 Manager: John T. McNeill.
 Mine Surveyor: Gordon L. Kidd.
 Location of Mine: L.S. 6, Sec. 14, Tp. 29, Rge. 21, W. 4th Mer.
 Thickness of Seam: 3ft. 10in.
 Inclination of Seam: Horizontal.
 Stripping operation. Truck mine.

EDMONTON AREA

H. W. Smith (White Star Mine)—Mine No. 29

Mine Office: 10806 84th Ave., Edmonton, Alberta.
 Overman: B Nugent.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 11, Sec. 25, Tp. 51, Rge. 25 W. 4th Mer.
 Thickness of Seam: $4\frac{1}{2}$ to $5\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 29 to 125 feet.
 Form of Opening: Slope. Size of Opening: 5ft. by 7ft. Length of Slope: 100 feet.
 Truck mine.

Ottewell Coal Co.—Mine No. 91

Authorized Capital: \$25,000.
 Mine Office: Clover Bar, Alberta.
 General Manager: W. J. Ottewell.
 Mine Surveyor: L. C. Stevens.
 Overman: Sam Finlay.
 Location of Mine: S.W. $\frac{1}{4}$ L.S. 4, Sec. 17, Tp. 53, Rge. 23, W. 4th Mer.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 55 feet.
 Form of Opening: Shaft. Size of Opening: 7ft. by 8ft. Depth of Shaft: 55 ft.

Great West Coal Co., Ltd.—Mine No. 99

Authorized Capital: \$150,000.
 Name of President: James C. Dunn.
 Names of Directors: J. C. Dunn, W. S. Cupples, A. C. Dunn.
 Name of Secretary-Treasurer: Thomas S. Campbell.
 Head Office: 10117 100A St., Edmonton, Alberta.
 Mine Office: Clover Bar, Alberta.
 Mine Manager: Robert Dalziel.
 Mine Surveyor: A. C. Dunn.
 Overman: D. R. Thomas.

Firebosses: R. McAndrew; J. Chalmers, A. Johnson, W. Dalziel, J. D. Thompson.
Location of Mine: S.E. $\frac{1}{4}$ L.S. 10, Sec. 7, Tp. 53, Rge. 23, W. 4th Mer.
Thickness of Seam: 4 to 7 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 135 feet.
Form of Opening: Two shafts and two slopes. Main Slope, 6ft. by 10ft. Length of Slope: 456 feet.

John Camarta (Alberta Coal Mine)
—Mine No. 129

Mine Office: Cardiff, Alberta.
Overman: J. Camarta.
Mine Surveyor: L. C. Stevens.
Location of Mine: L.S. 16, Sec. 23, Tp. 55, Rge. 25, W. 4th Mer.
Thickness of Seam: 7 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 32 feet.
Form of Opening: Slope. Size of Opening: 7ft. by 7ft. Length of Slope: 150 feet.
Truck mine.

Dawson Coal, Ltd.—Mine No. 155

Authorized Capital \$20,000.
Name of President: C. A. Hyndman.
Names of Directors: C. A. Hyndman, G. O. Norris.
Name of Secretary: G. O. Norris.
Name of Treasurer: C. A. Hyndman.
Head Office: McDougall Court, Edmonton, Alberta.
Mine Office: River Lot 25, Edmonton, Alberta.
General Manager: C. A. Hyndman.
Mine Manager: R. H. Watson.
Overman: David Muir.
Mine Surveyor: L. C. Stevens.
Fireboss: T. Hunter.
Location of Mine: River Lots 25, Rifle Range, Edmonton.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 114 feet.
Form of Opening: Shaft. Size of Shaft: 6ft. by 14ft. Depth of Shaft: 114 feet.
Truck mine.

Frank Chiarello (Legal Coal Mine)
—Mine No. 351

Mine Office: Legal, Alberta.
Overman: Frank Chiarello.
Mine Surveyor: L. C. Stevens.
Location of Mine: S.W. $\frac{1}{4}$, Sec. 25, Tp. 57, Rge. 25, W. 4th Mer.
Thickness of Seam: 5 $\frac{1}{2}$ to 6 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 28 feet.
Form of Opening: Shaft. Size of Opening: 6ft. by 8ft. Depth of Shaft: 28 ft.
Truck mine.

Banner Coals, Ltd.—Mine No. 428

Authorized Capital: \$20,000.
Name of President: J. B. Starky.
Name of Secretary: Ethel Mills.
Head Office: 10631 92nd St., Edmonton, Alberta.
Main Office: Carbondale, Alberta.
General Manager: J. B. Starky.
Mine Manager: N. Howells.
Mine Surveyor: L. C. Stevens.
Overman: Joe Kennedy.
Location of Mine: L.S. 10, Sec. 8, Tp. 55, Rge. 24, W. 4th Mer.
Thickness of Seam: 5ft. 3in.
Inclination of Seam: Horizontal.
Thickness of Cover: 176 feet.
Form of Opening: Shaft. Size of Shaft: 6ft. by 8ft. Depth of Shaft: 176 feet.
Truck mine and on Northern Alberta Ry.

Bush Mines, Ltd.—Mine No. 707

Authorized Capital: \$40,000.
Name of President: J. B. Harper.
Names of Directors: C. E. Laderoute, H. S. Southgate.

Name of Secretary-Treasurer: H. S. Southgate.
Head Office: 108 Agency Bldg., Edmonton, Alberta.
Mine Office: Beverly, Alberta.
General Manager: H. S. Southgate.
Mine Manager: James Clyne.
Mine Surveyor: L. C. Stevens.
Overman: E. Sparrow.
Firebosses: A. Brown, A. Scott.
Location of Mine: River Lot 40, Edmonton Settlement.
Thickness of Seam: 5ft. 4in. to 5ft. 10in.
Inclination of Seam: Horizontal.
Thickness of Cover: 150 feet.
Form of Opening: Shaft. Size of Shaft: 7ft. by 18ft. Depth of Shaft: 150 feet.
Truck mine.

H. Molzan (Black Point Mine)
—Mine No. 1034

Mine Office: Edmonton South, Alberta.
Overman: H. Molzan.
Mine Surveyor: L. C. Stevens.
Location of Mine: L.S. 6, Sec. 25, Tp. 51, Rge. 25, W. 4th Mer.
Thickness of Seam: 4 $\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 139 feet.
Form of Opening: Slope. Size of Slope: 7ft. by 6ft. Length of Slope: 200 feet.
Truck mine.

Long Coal Co.—Mine No. 1098

Name of President: M. L. Vitaly.
Name of Director: Mrs. M. L. Vitaly.
Name of Secretary: M. L. Vitaly.
Mine Office: Namao, Alberta.
Overman: M. L. Vitaly.
Mine Surveyor: L. C. Stevens.
Location of Mine: S.E. $\frac{1}{4}$ L.S. 4, Sec. 31, Tp. 54, Rge. 24, W. 4th Mer.
Thickness of Seam: 5ft. 5in. to 7ft.
Inclination of Seam: Horizontal.
Thickness of Cover: 85 feet.
Form of Opening: Drift. Size of Opening: 6ft. by 8ft.
Truck mine.

Mike Sinoski—Mine No. 1233

Authorized Capital: \$4,000.
Name of Secretary-Treasurer: Mike Sinoski.
Mine Office: Box 4042, South Edmonton, Alberta.
Mine Surveyor: L. C. Stevens.
Overman: Steve Sinoski.
Location of Mine: L.S. 5, Sec. 25, Tp. 51, Rge. 25, W. 4th Mer.
Thickness of Seam: 4 to 5 $\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 30 feet.
Form of Opening: Slope. Size of Opening: 6ft. by 6ft. Length of Slope: 72 ft.
Truck Mine.

Edmonton Collieries, Ltd.—Mine No. 1266

Authorized Capital: \$20,000.
Name of President: William G. MacKay.
Names of Directors: W. C. MacKay, W. G. MacKay, C. C. Down, H. W. Laverton.
Name of Secretary-Treasurer: H. W. Layton.
Head Office: 10055 101st St., Edmonton, Alberta.
Mine Office: Namao, Alberta.
General Manager: W. C. MacKay.
Mine Surveyor: L. C. Stevens.
Overman: Alex. Johnstone.
Location of Mine: L.S. 14, Sec. 36, Tp. 54, Rge. 25, W. 4th Mer.
Thickness of Seam: 7ft. 4in.
Inclination of Seam: Horizontal.
Thickness of Cover: 92 feet.
Form of Opening: Slope. Size of Opening: 6ft. by 7ft. Length of Slope: 150 feet.
Located on Northern Alberta Railway; also truck mine.

Ellerslie Collieries—Mine No. 1297

Mine Office: R.R. No. 3, Edmonton South, Alberta.
 Overman: J. Hutton.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 1, Sec. 26, Tp. 51, Rge. 25, W. 4th Mer.
 Thickness of Seam: 4½ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 96 feet.
 Form of Opening: 200 feet. Size of Opening: 6ft. by 8ft. Length of Slope: 200 feet.

Samis Collieries—Mine No. 1316

Name of Secretary: Mrs. O. L. Samis.
 Name of Treasurer: Kenneth E. Samis.
 Mine Office: Namao, Alberta.
 General Manager: Kenneth E. Samis.
 Mine Surveyor: L. C. Stevens.
 Overman: Elmer Fawcett.
 Location of Mine: L.S. 6, Sec. 36, Tp. 54, Rge. 25, W. 4th Mer.
 Thickness of Seam: 7½ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 26 to 80 feet.
 Form of Opening: Slope. Size of Opening: 6ft. by 5½ ft. Length of Slope: 80 feet.
 Truck mine.

Horkulak & Riddock (Twin City Mine)—Mine No. 1352

Mine Office: Edmonton South, Alberta.
 Overman: A. H. Horkulak.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 8, Sec. 26, Tp. 51, Rge. 25, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 110 feet.
 Form of Opening: Shaft. Size of Opening: 6ft. by 6ft. Depth of Shaft: 110 feet.
 Truck mine.

Red Hot Coal Co., Ltd.—Mine No. 1357

Authorized Capital: \$23,000.
 Name of President: W. F. Fidel.
 Name of Secretary-Treasurer: J. Lang.
 Mine Office: Forest Heights, Edmonton, Alberta.
 Mine Surveyor: L. C. Stevens.
 Overman: John Thomson.
 Fireboss: C. Crawford.
 Location of Mine: River Lot 33, Edmonton Settlement.
 Thickness of Seam: 4 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 66 to 115 feet.
 Form of Opening: Slope. Size of Opening: 6½ ft. by 6ft. Length of Slope: 180 feet.
 Truck mine.

Beverly Coal Co., Ltd.—Mine No. 1366

Authorized Capital: \$100,000.
 Name of President: E. I. Clarke.
 Names of Directors: E. I. Clarke, E. I. Clarke, Jr., Mrs. E. I. Clarke.
 Name of Secretary: E. I. Clarke, Jr.
 Name of Treasurer: E. I. Clarke.
 Mine Office: Beverly, Alberta.
 General Manager: E. I. Clarke.
 Mine Manager: Thomas Brown.
 Mine Surveyor: L. C. Stevens.
 Overman: J. F. Brown.
 Fireboss: L. A. Williams.
 Location of Mine: L.S. 6, Sec. 13, Tp. 53, Rge. 24, W. 4th Mer.
 Thickness of Seam: 4 to 6 ft.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 160 feet.
 Form of Opening: Rectangular shaft. Size of Shaft: 8ft. by 14ft. Depth of Shaft: 160 feet.
 Truck mine.

Ottewell Coal Co.—Mine No. 1393

Same particulars as for Mine No. 91.
 Overman: Cedric Ottewell.
 Location of Mine: Block X N.E. ¼, Sec. 36, Tp. 52, Rge. 24, W. 4th Mer.
 Thickness of Seam: 4½ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 85 feet.
 Form of Opening: Shaft. Size of Shaft: 8ft. by 9ft. Depth of Shaft: 85 feet.
 Truck mine.

Pine Creek Coal Co.—Mine No. 1419

Mine Office: R.R. No. 3, Edmonton South, Alberta.
 Overman: M. Sinoski.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 4, Sec. 25, Tp. 51, Rge. 25, W. 4th Mer.
 Thickness of Seam: 4½ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 94 to 127 feet.
 Form of Opening: Shaft. Size of Opening: 7ft. by 7ft. Depth of Shaft: 94 ft.
 Truck mine.

Kent Coal Co., Ltd.—Mine No. 1427

Same particulars as for Mine No. 428.
 Mine Office: Cooking Lake Trail, Edmonton, Alberta.
 Mine Manager: W. T. Worthington.
 Mine Surveyor: L. C. Stevens.
 Overman: Jack Hutton.
 Firebosses: J. Reed and S. Kendrick.
 Location of Mine: L.S. 4, Sec. 30, Tp. 52, Rge. 23, W. 4th Mer.
 Thickness of Seam: 3ft. 9in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 168 feet.
 Form of Opening: Shaft. Size of Opening: 12ft. by 8ft. Depth of Shaft: 168 feet.
 Truck mine.

Riverdale Coal Co., Ltd.—Mine No. 1463

Authorized Capital: \$10,000.
 Name of President: John Mather.
 Names of Directors: John Mather, Ann Mather.
 Name of Sec.-Treasurer: Ann Mather.
 Head Office: 10311 Saskatchewan Drive, Edmonton, Alberta.
 Mine Office: Namao, Alberta.
 General Manager: John Mather.
 Mine Surveyor: David Jones.
 Fireboss: John Mather, Jr.
 Location of Mine: N.E. cor. L.S. 14, Sec. 5, Tp. 55, Rge. 24, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 93 feet.
 Form of Opening: Drift. Size of Drift: 5ft. by 5ft.
 Truck mine.

Dickinson, Knight & Dickinson—Mine No. 1476

Mine Office: Carbondale, Alberta.
 Mine Surveyor: L. C. Stevens.
 Overman: Wm. Knight.
 Location of Mine: N.W. ¼, Sec. 9, Tp. 55, Rge. 24, W. 4th Mer.
 Thickness of Seam: 5½ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 42 feet.
 Form of Opening: Slope. Size of Opening: 6ft. by 8ft. Depth of Slope: 100 feet.
 Truck mine.

D. J. Gwilliam—Mine No. 1496

Mine Office: Namao, Alberta.
 General Manager: D. J. Gwilliam.
 Overman: W. E. Williams.
 Mine Surveyor: L. C. Stevens.
 Location of Mine: L.S. 3, Sec. 6, Tp. 55, Rge. 24, W. 4th Mer.
 Thickness of Seam: 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 60 feet.

Form of Opening: Drift. Size of Drift: 6ft. by 7ft.
Truck mine.

K. Nimko—Mine No. 1560

Mine Office: Edmonton South, Alberta.
Mine Surveyor: L. C. Stevens.
Overman: P. Kelly.
Location of Mine: L.S. 11, Sec. 25, Tp. 51, Rge. 25, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 21 to 50 feet.
Form of Opening: Slope. Size of Opening: 6ft. by 6ft. Length of Slope: 35 feet.
Truck mine.

Egg Lake Coal Co.—Mine No. 1582

Mine Office: Morinville, Alberta.
Manager: Thomas Logan.
Location of Mine: N.E. 1/4, Sec. 36, Tp. 56, Rge. 26, W. 4th Mer.
Depth of Cover: 10 to 20 feet.
Stripping operation. Truck mine.

John G. Mucha—Mine No. 1594

Mine Office: Edmonton South, Alberta.
Overman: John G. Mucha.
Mine Surveyor: R. T. Stewart.
Location of Mine: W. 1/2 L.S. 13, Sec. 25, Tp. 51, Rge. 25, W. 4th Mer.
Thickness of Seam: 4ft. 8in.
Inclination of Seam: Horizontal.
Thickness of Cover: 20 to 25 feet.
New mine being opened. Truck mine.

GLEICHEN AREA

Blackfoot Indians—Mine No. 72

This mine is operated on the Blackfoot Reserve by the Indians, the entire output being disposed of locally. This Reserve is south of Gleichen.
Form of Opening: Drift. Size of Opening: 6ft. by 7ft.

K. J. Schnepf—Mine No. 299

Mine Office: Rosebud, Alberta.
Mine Surveyor: Gordon L. Kidd.
Overman: K. J. Schnepf.
Location of Mine: S. 1/2 L.S. 4, Sec. 29, Tp. 26, Rge. 21, W. 4th Mer.
Thickness of Seam: 3 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 feet.
Form of Opening: Slope. Size of Opening: 6ft. by 6ft. Length of Slope: 162 feet.

Standard Coal Mine—Mine No. 1265

Authorized Capital: \$15,000.
Name of President: H. Castella.
Name of Secretary: J. Castella.
Name of Treasurer: H. Castella.
Mine Office: Standard, Alberta.
General Manager: H. Castella.
Mine Surveyor: Gordon L. Kidd.
Overman: J. Castella.
Location of Mine: L.S. 5, Sec. 11, Tp. 25, Rge. 19, W. 4th Mer.
Thickness of Seam: 3ft. 10in.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 feet.
Form of Opening: Slope. Size of Opening: 5ft. by 9ft. Length of Slope: 110 feet.

John Guiney—Mine No. 1431

Mine Office: Rosebud, Alberta.
Overman: John Guiney.
Mine Surveyor: Gordon L. Kidd.
Location of Mine: L.S. 3, Sec. 29, Tp. 26, Rge. 21, W. 4th Mer.
Thickness of Seam: 3 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 18 to 80 feet.
Form of Opening: Slope. Size of Opening: 8ft. by 10ft. Length of Slope: 125 feet.

Wm. McMillan—Mine No. 1521

Mine Office: Rosebud, Alberta.
Overman: Alex. McMillan.
Mine Surveyor: Gordon L. Kidd.
Location of Mine: L.S. 14, Sec. 20, Tp. 26, Rge. 21, W. 4th Mer.
Thickness of Seam: 3 1/2 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 75 feet.
Form of Opening: Drift. Size of Opening: 6ft. by 7ft.

HALCOURT AREA

Baldwin Collieries—Mine No. 651

Mine Office: Grande Prairie, Alberta.
Mine Surveyor: David Jones.
Overman: D. Whyte.
Location of Mine: L. S. 15, Sec. 35, Tp. 70, Rge. 7, W. 6th Mer.
Thickness of Seam: 2 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 85 feet.
Form of Opening: Drift. Size of Opening: 6ft. by 6ft.
Truck mine.

Campbell & O'Reilly—Mine No. 1506

Mine Office: Dimsdale, Alberta.
Mine Surveyor: David Jones.
Overman: M. O'Reilly.
Location of Mine: N.W. 1/4 L.S. 2, Sec. 21, Tp. 70, Rge. 7, W. 6th Mer.
Thickness of Seam: 2 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 100 feet.
Form of Opening: Tunnel. Size of Opening: 6ft. by 6ft.
Truck mine.

Dunbar & Partners—Mine No. 1539

Mine Office: Hinton Trail, Alberta.
Mine Surveyor: David Jones.
Overman: R. Dunbar.
Location of Mine: L.S. 2, Sec. 21, Tp. 70, Rge. 10, W. 6th Mer.
Thickness of Seam: 2 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: Up to 100 feet.
Form of Opening:
Truck mine.

Dahl & Gage—Mine No. 1588

Mine Office: Halcourt, Alberta.
Manager: E. C. Dahl.
Location of Mine: L.S. 14, Sec. 24, Tp. 70, Rge. 11, W. 6th Mer.
Thickness of Seam: 2 to 3 feet.
Inclination of Seam: Horizontal.
Stripping operation. Truck mine.

Howarth & Fraser—Mine No. 1591

Mine Office: Halcourt, Alberta.
Mine Surveyor: D. Jones.
Overman: James Howarth.
Location of Mine: L.S. 1, Sec. 21, Tp. 70, Rge. 10, W. 6th Mer.
Thickness of Seam: 2 1/2 to 3 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 40 to 75 feet.
Form of Opening: Tunnel. Size of Opening: 5ft. by 6ft.
Truck mine.

N. Schneider—Mine No. 1611

Mine Office: Dimsdale, Alberta.
Overman: N. Schneider.
Location of Mine: L.S. 4 and 5, Sec. 7, Tp. 70, Rge. 18, W. 6th Mer.
New mine just being opened, no particulars.

HIGH PRAIRIE AREA

W. D. Savage—Mine No. 1567

Mine Office: High Prairie, Alberta.
Overman: W. D. Savage.
Location of Mine: L.S. 1, Sec. 28, Tp. 72, Rge. 20, W. 5th Mer.

Larson & Wood—Mine No. 1615

Mine Office: High Prairie, Alberta.
Overman: F. L. Larson.
Location of Mine: L.S. 12, Sec. 27, Tp. 72,
Rge. 20, W. 5th Mer.
New operation opening.

LETHBRIDGE AREA**Rozzolini & Bridarolli—Mine No. 56**

Mine Office: Magrath, Alberta.
Mine Surveyor: Gordon L. Kidd.
Overman: Albert Rozzolini.
Location of Mine: N. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ L.S.
3, Sec. 7, Tp. 7, Rge. 21, W. 4th Mer.
Thickness of Seam: 2ft. 3in.
Inclination of Seam: Horizontal.
Thickness of Cover: 125 feet.
Form of Opening: Slope. Size of Opening:
5ft. by 6ft. Length of Slope:
230 feet.

George Rollinson—Mine No. 738

Mine Office: Lethbridge, Alberta.
Mine Surveyor: J. F. Hamilton.
Overman: George Rollinson.
Location of Mine: L.S. 2, Sec. 11, Tp. 8,
Rge. 22, W. 4th Mer.
Thickness of Seam: 30 inches.
Inclination of Seam: Horizontal.
Thickness of Cover: 30 to 200 feet.
Form of Opening: Drift. Size of Opening:
6ft. by 7ft.

Forsyth & Arnold—Mine No. 1086

Mine Office: Lethbridge Alberta.
Mine Surveyor: J. F. Hamilton.
Overman: J. Forsyth.
Location of Mine: L.S. 5, Sec. 8, Tp. 7,
Rge. 21, W. 4th Mer.
Thickness of Seam: 3 $\frac{1}{2}$ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: Up to 90 feet.
Form of Opening: Drift. Size of Opening:
6ft. by 7ft.

J. C. Chester—Mine No. 1095

Mine Office: Lethbridge, Alberta.
Mine Surveyor: J. F. Hamilton.
Overman, Geo. Roberts.
Fireboss: J. Garrett.
Location of Mine: L.S. 9, Sec. 30, Tp. 9,
Rge. 21, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 250 to 300 feet.
Form of Opening: Slope. Size of Opening:
7ft. by 6ft. Length of Slope:
257 feet.

Strickland & Tennant—Mine No. 1219

Mine Office: Lethbridge, Alberta.
Mine Surveyor: J. F. Hamilton.
Overman: Wm. Strickland.
Location of Mine: L.S. 12, Sec. 29, Tp. 9,
Rge. 21, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 250-300 feet.
Form of Opening: Slope. Size of Opening:
5 $\frac{1}{2}$ ft. by 6 $\frac{1}{2}$ ft. Length of Slope:
400 feet.

Lethbridge Collieries, Ltd.—Mine No. 1263

Authorized Capital: \$1,400,000.
Name of President: S. G. Porter.
Names of Directors: C. S. Donaldson,
E. A. Lovett, S. G. Porter, Wm. Toole,
E. A. Whitmore.
Head Office: Calgary, Alberta.
Mine Office: Shaughnessy, Alberta.
General Manager: C. S. Donaldson.
Mine Manager: A. G. Donaldson.
Mine Surveyor: Wm. Meldrum.
Overman: F. Thackray.
Firebosses: A. Birse, B. Mills, H. Evans,
S. Yorko, M. Boychuk, S. Seminiuk,
J. C. Macaulay, O. Krossos, W. Good-
rick.

Location of Mine: L.S. 11, Sec. 30, Tp. 10,
Rge. 21, W. 4th Mer.
Thickness of Seam: 5 $\frac{1}{2}$ feet.
Inclination of Seam: Horizontal—2% N.
56 W.
Thickness of Cover: 260 feet.
Form of Opening: Shaft. Size of Opening:
18ft. by 9ft. Depth of Shaft:
263 feet.

Lethbridge Collieries, Ltd.—Mine No. 1464

Same particulars.
Mine Office: Lethbridge, Alberta.
Mine Manager: J. M. Davidson.
Overman: G. Coutts.
Firebosses: D. Coutts, H. Tyrer, J. Stewart,
A. McColl, G. Hargreaves.
Location of Mine: L.S. 3, Sec. 2, Tp. 9,
Rge. 22, W. 4th Mer.
Thickness of Seam: 4ft. 4in.
Inclination of Seam: 1 in 72 N. 80°W.
Thickness of Cover: 350 feet.
Form of Opening: Shaft. Size of Opening:
18ft. by 8ft. by 11ft. Depth of Shaft:
359 feet.

Kerralta Coal Co.—Mine No. 1576

Mine Office: Lethbridge, Alberta.
Mine Surveyor: J. F. Hamilton.
Overman: J. Peta.
Location of Mine: L.S. 13, Sec. 12, L.S. 4,
Sec. 13, Tp. 9, Rge. 22, W. 4th Mer.
Thickness of Seam: 4ft. 2in.
Inclination of Seam: Horizontal.
Thickness of Cover: 100 to 300 feet.
Form of Opening: Slope. Size of Opening:
6ft. by 7ft. Length of Slope:
290 feet.

J. J. Hamilton Coal Co.—Mine No. 1581

Mine Office: Lethbridge, Alberta.
Mine Surveyor: Wm. Meldrum.
General Manager: J. J. Hamilton.
Overman: E. Tyer.
Location of Mine: L.S. 11, Sec. 24, Tp. 9,
Rge. 22, W. 4th Mer.
Thickness of Seam: 4 $\frac{1}{2}$ feet.
Inclination of Seam: 2% N. 56°W.
Thickness of Cover: 228 feet.
Form of Opening: Shaft. Size of Opening:
8ft. by 8ft. Depth of Shaft:
228 feet.

G. F. Tollestrup—Mine No. 1602

Mine Office: Raymond, Alberta.
Overman: G. F. Tollestrup.
Location of Mine: L.S. 3, Sec. 7, Tp. 7,
Rge. 21, W. 4th Mer.
Stripping operation, just opening up.

MILK RIVER AREA**Thomas Taylor—Mine No. 1301**

Mine Office: Groton, Alberta.
Mine Surveyor: J. F. Hamilton.
Overman: Thomas Taylor.
Location of Mine: L.S. 8, 9 and 10, Sec.
10, Tp. 3, Rge. 11, W. 4th Mer.
Thickness of Seam: 4ft. 4in.
Inclination of Seam: Horizontal.
Thickness of Cover: 50 to 65 feet.
Form of Opening: Slope. Size of Opening:
6ft. by 6ft. Length of Slope:
108 feet.

J. J. Mueller—Mine No. 1380

Mine Office: Masinasin, Alberta.
Mine Surveyor: J. F. Hamilton.
Location of Mine: W. $\frac{1}{2}$ L.S. 9, L.S. 10,
Sec. 27, Tp. 2, Rge. 12, W. 4th Mer.
Thickness of Seam: 2ft. to 3ft. 8in.
Thickness of Cover: 6 feet.
Stripping operation.

MOUNTAIN PARK AREA

Mountain Park Coals, Ltd.—Mine No. 282
Authorized Capital: \$1,042,430.
Name of President: Col. H. P. Mitchell,
M.P.

Names of Directors: A. M. Mitchell, Col. M. E. Lindsay, D.S.O., A. C. Dunn, Mayne Reid, J. C. Dunn, A. E. Russell, R. Burleigh Taylor, C. B. McNair, A. N. Scott, Col. H. P. Mitchell. Name of Sec.-Treasurer: R. Burleigh Taylor; Asst., G. P. Nance. Head Office: 179 Queen St., Charlottetown P.E.I.

Mine Office: Mountain Park, Alberta. General Manager: A. N. Scott. Mine Manager: D. C. Hamilton. Mine Surveyor: D. C. Hamilton. Overmen: W. Talbot and H. Simmons. Firebosses: W. McDonald, J. McMillan, T. McNeil, H. Roome, R. Roome, J. Bulat, A. Stene, J. Hutchinson. Location of Mine: S.E. $\frac{1}{4}$, Sec. 33, Tp. 45. Rge. 23, W. 5th Mer. Thickness of Seam: Kennedy, 25ft.; No. 2, 8ft.; No. 3, 32ft. Inclination of Seam: 15 to 60 degrees. Thickness of Cover: 250 to 800 feet. Form of Opening: Drift. Size of Openings: No. 1, 7ft. by 10ft.; No. 2, 7ft. by 10ft. Length of Slopes: No. 1, 1,500 ft.; No. 2, 800 feet. Mine on C.N.R.

Cadomin Coal Co., Ltd.—Mine No. 693
Authorized Capital: \$1,200,000, no par value shares. Name of President: H. R. Milner, K.C. Names of Directors: H. R. Milner, K.C., S. W. Field, K.C., A. C. Emery, J. A. McLeod. Name of Sec. Treasurer: Colin Campbell. Mine Office: Cadomin, Alberta. General Manager: J. A. McLeod. Mine Manager: E. Coupland. Mine Surveyor: N. Melnyk. Overmen: T. Carr and J. Roberts. Firebosses: P. Nicholson, D. Stene, S. Douglas, P. McCarty, S. Chesney, A. Lister, R. Rawlinson, J. Smith, S. Wilson. Location of Mine: L.S. 14, Sec. 31, Tp. 46. Rge. 23, W. 5th Mer. Thickness of Seam: 32 feet. Inclination of Seam: 62 degrees. Thickness of Cover: 1,200 feet. Form of Opening: Shaft. Size of Shaft: 14 by 22½ feet. Depth of Shaft, 875 feet. Mine on C.N.R.

Luscar Coals, Ltd.—Mine No. 905
Same particulars as for Mine 282. Mine Office: Luscar, Alberta. General Manager: A. N. Scott. Mine Manager: A. C. Hnatyshyn. Mine Surveyor: D. C. Hamilton. Overmen: T. Mather, M. McLean, H. Evans. Firebosses: R. Baker, D. Ashley, W. Hogg, R. Mitchell, R. Davis, J. Jones, W. Thomas, T. Eccleston. Location of Mine: L.S. 7, Sec. 23, Tp. 47, Rge. 24, W. 5th Mer. Thickness of Seam: Approx. 30 feet. Inclination of Seam: Varies up to 90 degrees. Thickness of Cover: 250 to 1,000 feet. Form of Opening: Slope in rock. Size of Slope: 8ft. by 12ft. Length of Slope: 800 feet.

K-D Collieries, Ltd.—Mine No. 1392
Authorized Capital: \$200,000. Names of President: Nelles V. Buchanan. Names of Directors: R. V. Real, H. J. MacDonald, H. D. Elliott. Name of Sec.-Treasurer: G. E. T. Sherry. Head Office: Edmonton, Alberta. Mine Office: Kaydee, Alberta. General Manager: G. E. T. Sherry. Mine Manager: Alex. Crawford. Mine Surveyor: L. C. Stevens. Firebosses: J. Denholm and W. Grubisch. Location of Mine: S.E. $\frac{1}{4}$ L.S. 8, Sec. 28, Tp. 47, Rge. 24, W. 5th Mer.

Thickness of Seam: 30 to 40 feet. Inclination of Seam: 30 degrees. Thickness of Cover: 300 feet. Form of Opening: Drifts. Size of Opening: 7ft. by 10ft.

NORDEGG AREA

Brazeau Collieries, Ltd.—Mine No. 256
Authorized Capital: \$4,450,000. Name of President: J. A. Boyd. Names of Directors: J. A. Boyd, H. A. Kilpatrick, W. H. Moore, G. R. Cottrell, H. S. Gausby. Name of Sec.-Treasurer: H. S. Gausby. Head Office: 7th Floor, 25 King St. W., Toronto, Ontario. Mine Office: Nordegg, Alberta. General Manager: John Shanks. Mine Manager: David Shanks. Mine Surveyor: A. McMullen. Overmen: J. Touhey, O. N. Edwards. Firebosses: H. Williams, J. China, S. Barton, S. Koznuik, J. Henderson. Location of Mine: L.S. 13, Sec. 22, Tp. 40, Rge. 15, W. 5th Mer. Thickness of Seam: 13 feet. Inclination of Seam: 12 degrees. Thickness of Cover: 400 to 600 feet. Form of Opening: Slope. Size of Opening: 12ft. by 6ft. Length of Slope: 2,500 feet.

Brazeau Collieries, Ltd.—Mine No. 1585
Same particulars. Mine Manager: A. McMullen. Overman: A. McQueen. Firebosses: J. White, D. Duncan, G. McQueen, F. Marosco. Location of Mine: L.S. 13, Sec. 22, Tp. 40, Rge. 15, W. 5th Mer. Thickness of Seam: 6 feet. Inclination of Seam: 12 degrees. Thickness of Cover: 400 to 600 feet. Form of Opening: Slope. Size of Opening: 12ft. by 6ft. Length of Slope: 3,000 feet.

PAKOWKI AREA

William Geddes—Mine No. 1138
Mine Office: Little Plume, Alberta. Mine Surveyor: E. Ashburner. Overman: W. Geddes. Location of Mine: W. $\frac{1}{2}$ L.S. 15, Sec. 2, Tp. 9, Rge. 5, W. 4th Mer. Thickness of Seam: 11 feet. Inclination of Seam: 32 degrees. Thickness of Cover: 70 feet. Form of Opening: Slope. Size of Opening: 5ft. by 5ft. Length of Slope: 125 feet.

William Raeder—Mine No. 1318
Mine Office: Elkwater, Alberta. Mine Surveyor: E. Ashburner. Overman: Wm. Raeder. Location of Mine: L.S. 10, Sec. 23, Tp. 8, Rge. 3, W. 4th Mer. Thickness of Seam: 5ft. 6in. Inclination of Seam: Horizontal. Thickness of Cover: Up to 200 feet. Form of Opening: Drift. Size of Opening: 6ft. by 6ft.

PEKISKO AREA

H. Swan & Son (Fish Creek Mine)—Mine No. 361
Mine Office: Priddis, Alberta. Mine Surveyor: R. Hamilton. Overman: H. Swan. Location of Mine: L.S. 11, Sec. 7, Tp. 22, Rge. 3, W. 5th Mer. Thickness of Seam: 6½ feet. Inclination of Seam: 10 degrees. Thickness of Cover: 150 feet.

Form of Opening: Slope. Size of Opening: 6ft. by 8 ft. Length of Slope: 260 feet.

G. C. Davies—Mine No. 1516

Mine Office: Priddis, Alberta.
Mine Surveyor: R. Hamilton.
Overman: G. C. Davies.
Location of Mine: L.S. 10, Sec. 4, Tp. 22, Rge. 3, W. 5th Mer.
Thickness of Seam: 3ft. 4in.
Inclination of Seam: 10½ degrees.
Thickness of Cover 120 feet.
Form of Opening: Slope. Size of Opening: 5ft. by 6ft. Length of Slope: 350 feet.

PEMBINA AREA

Lakeside Coals, Ltd.—Mine No. 419

Authorized Capital: \$660,000.
Name of President: E. A. McBain.
Names of Directors: E. A. McBain, Wm. Foster, W. W. McBain, W. A. McBain.
Name of Secretary: W. A. McBain.
Head Office: 93rd St. and Jasper Ave. Edmonton, Alberta.
Mine Office: Wabamun, Alberta.
General Manager: Wm. Foster.
Mine Surveyor: W. Foster.
Overman: J. Vivyurka.
Location of Mine: L.S. 15, Sec. 9, Tp. 53, Rge. 4, W. 5th Mer.
Thickness of Seam: 7½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 300 feet.
Form of Opening: Slope. Size of Opening: 7ft. by 8ft.

Pembina Collieries, Ltd.—Mine No. 1495
Mine Office, Entwistle, Alberta.
Overman, T. Shaw.
Location of Mine: N.W. ¼, Sec. 34, Tp. 53 Rge. 7, W. 5th Mer.
Thickness of Seam: 5½ feet.
Inclination of Seam: Horizontal.
Form of Opening: Slope, 5ft. by 6ft., 75 feet in length.

Wilma Coal Co.—Mine No. 1592
Mine Office: Stony Plain, Alberta.
Overman: T. Welbourne.
Location of Mine: E. ½, Sec. 30, Tp. 52, Rge. 4, W. 5th Mer.
Thickness of Seam: 20 feet.
Inclination of Seam: Horizontal.
Stripping operation.

H. H. Wright—Mine No. 1606
Mine Office: Genesee, Alberta.
Overman: D. Smith.
Mine Surveyor: L. C. Stevens.
Location of Mine: L.S. 7, Sec. 30, Tp. 50, Rge. 3, W. 5th Mer.
Thickness of Seam: 7 feet.
Inclination of Seam: Horizontal.
New mine being developed.

PINCHER AREA

Albert Keith—Mine No. 59

Mine Office: Lundbreck, Alberta.
Mine Surveyor: M. H. Congdon.
Overman: A. Keith.
Location of Mine: S.W. ¼ L.S. 15, Sec. 26, Tp. 7, Rge. 2, W. 5th Mer.
Thickness of Seam: 6 feet.
Inclination of Seam: 20 to 50 degrees.
Thickness of Cover: 150 feet.
Form of Opening: Slope. Size of Opening: 7ft. by 10ft. Length of Slope: 400 feet.

PRAIRIE CREEK AREA

Jasper Coals, Ltd.—Mine No. 1296

Head Office: Edmonton, Alberta.
Mine Office: Drinnan, Alberta.

Mine Manager: James Horne.
Mine Surveyor: A. C. Dunn.
Location of Mine: N.W. ¼, Sec. 18, Tp. 51, Rge. 24, W. 5th Mer.
Thickness of Seam: 4 feet.
Form of Opening: Slope.

REDCLIFF AREA

Gunderson Brick & Coal Co., Ltd.—Mine No. 165

Authorized Capital: \$200,000.
Name of President: P. Lavelle.
Names of Directors: J. M. Stratton, P. Lavelle, C. G. Buchholz.
Name of Sec.-Treasurer: C. G. Buchholz.
Mine Office: Redcliff, Alberta.
Mine Surveyor: Gordon L. Kidd.
Location of Mine: L.S. 14, Sec. 5, Tp. 13, Rge. 6, W. 4th Mer.
Thickness of Seam: 4ft. 5in.
Inclination of Seam: Horizontal.
Thickness of Cover: 190 feet.
Form of Opening: Slope. Size of Slope: 7ft. by 7ft. Length of Slope: 560 feet.

Ajax Coal Company (J. T. Oliphant)—Mine No. 772

Authorized Capital: \$15,000.
Name of President: L. N. Laidlaw.
Mine Office: Medicine Hat, Alberta.
Mine Surveyor: Gordon L. Kidd.
Overman: John T. Oliphant.
Location of Mine: L.S. 2, Sec. 5, Tp. 13, Rge. 6, W. 4th Mer.
Thickness of Seam: 4 feet.
Inclination of Seam: Horizontal.
Thickness of Cover: Up to 250 feet.
Form of Opening: Drift.

ROCHESTER AREA

Thorhild Coal Co.—Mine No. 1517

Mine Office: Thorhild, Alberta.
Mine Surveyor: David Jones.
Overman: Mike Libicz.
Location of Mine: N. ½ L.S. 12, Tp. 60, Rge. 21, W. 4th Mer.
Thickness of Seam: 6ft. 10in.
Inclination of Seam: Horizontal.
Thickness of Cover: 25-50 feet.
Form of Opening: Slope. Size of Slope: 7ft. by 7ft. Length of Slope: 65 feet.

Tomilsen & Kaszuba—Mine No. 1562

Mine Office: Radway, Alberta.
Mine Surveyor: David Jones.
Location of Mine: L.S. 1, Sec. 11, Tp. 60, Rge. 21, W. 4th Mer.
Thickness of Seam: 5½ feet.
Inclination of Seam: Horizontal.
Thickness of Cover: 12 to 20 feet.
Stripping operation.

SAUNDERS AREA

Bighorn & Saunders Creek Collieries, Ltd.—Mine No. 388

Authorized Capital: \$300,000.
Name of President: Raoul Green.
Names of Directors: J. R. Smith, L. P. Robert, W. G. Pearson.
Name of Sec.-Treasurer: A. R. Granger.
Head Office: Blairmore, Alberta.
Mine Office: Saunders, Alberta.
Mine Manager: Owen Morgan.
Mine Surveyor: Owen Morgan.
Overman: L. Gladwin.
Firebosses: I. Dolzan, F. Broderick, J. James.
Location of Mine: S.E. ¼ L.S. 9, Sec. 24, Tp. 40, Rge. 13, W. 5th Mer.
Thickness of Seam: 4ft. 5in.
Inclination of Seam: 7 degrees.
Thickness of Cover: 250 feet.
Form of Opening: Slope. Size of Opening: 8ft. by 7ft. Length of Slope: 1,300 feet.

Alexo Coal Co., Ltd.—Mine No. 852

Authorized Capital: \$200,000.
 Name of President: E. F. Pullen.
 Names of Directors: E. F. Pullen, G. F. Hanning, Frank Pullen, C. C. Clark.
 Name of Secretary: C. C. Clark.
 Head Office: 107 Duke St., Toronto, Ontario.
 Mine Office: Alexo, Alberta.
 General Manager: E. F. Pullen.
 Mine Manager: J. D. B. Brown.
 Mine Surveyor: A. McMullen.
 Location of Mine: L.S. 9, Sec. 27, Tp. 40, Rge. 13, W. 5th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: 7 degrees.
 Thickness of Cover: 250 feet.
 Form of Opening: Slope. Size of Opening: 12ft. by 8ft. Length of Slope: 2,250 feet.

SHEERNESS AREA**Chinook Coal Co., Ltd.—Mine No. 443**

Authorized Capital: \$30,000.
 Name of President: Claude Gallinger.
 Names of Directors: Claude Gallinger, Mrs. Jean Gallinger, Wilbur Gallinger, Mrs. R. L. Wood, R. L. Wood.
 Name of Sec.-Treasurer: R. L. Wood.
 Mine Office: Sheerness, Alberta.
 General Manager: R. L. Wood.
 Mine Surveyor: David Jones.
 Overman: William Swanson.
 Location of Mine: L.S. 1, Sec. 12, Tp. 29, Rge. 13, W. 4th Mer.
 Thickness of Seam: 5 to 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 10 to 14 feet.
 Stripping operation. Mine located on C.N.R.

Litke Bros.—Mine No. 486

Mine Office: Hanna, Alberta.
 Mine Surveyor: David Jones.
 Mine Manager: S. Litke.
 Location of Mine: S.W. $\frac{1}{4}$ L.S. 6, Sec. 29, Tp. 32, Rge. 13, W. 4th Mer.
 Thickness of Seam: 2 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 10 feet.
 Stripping operation. Truck mine.

T. E. Stubbs—Mine No. 1314

Mine Office: Hanna, Alberta.
 Mine Surveyor: David Jones.
 Overman: T. E. Stubbs.
 Location of Mine: L.S. 1, Sec. 6, Tp. 29, Rge. 14, W. 4th Mer.
 Thickness of Seam: $2\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 10 feet.
 Stripping operation. Truck mine.

T. G. Ironside—Mine No. 1398

Mine Office: Scapa, Alberta.
 Mine Surveyor: David Jones.
 Overman: T. G. Ironside.
 Location of Mine: L.S. 12, Sec. 5, Tp. 34, Rge. 13, W. 4th Mer.
 Thickness of Seam: $2\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 10 feet.
 Stripping operation. Truck mine.

F. M. Pahl—Mine No. 1401

Mine Office: Hanna, Alberta.
 Mine Surveyor: David Jones.
 Overman: F. M. Pahl.
 Location of Mine: N.E. L.S. 7, Sec. 30, Tp. 32, Rge. 13, W. 4th Mer.
 Thickness of Seam: 3 to $3\frac{1}{2}$ feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 20 feet.
 Stripping operation. Truck mine.

Sheerness Coal Co., Ltd.—Mine No. 1432

Authorized Capital: \$10,000.
 Name of President: Claude Gallinger.

Names of Directors: C. Gallinger, Mrs. Jean Gallinger.

Name of Sec.-Treasurer: R. L. Wood.
 Mine Office: Sheerness Alberta.
 General Manager: R. L. Wood.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 5, Sec. 19, Tp. 29, Rge. 12, W. 4th Mer.
 Thickness of Seam: 5 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 10 feet.
 Stripping operation. On C.N.R.

John Masciangelo & Partners—Mine No. 1553

Mine Office: Delia, Alberta.
 Mine Surveyor: David Jones.
 Overman: John Masciangelo.
 Location of Mine: L.S. 10, Sec. 21, Tp. 30, Rge. 17, W. 4th Mer.
 Thickness of Seam: 3 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 150 feet.
 Form of Opening: Drift. Size of Opening: 6ft. by 7 ft.
 Truck mine.

A. J. Bordula & Partners—Mine No. 1597

Mine Office: Hanna, Alberta.
 Overman: A. J. Bordula.
 Location of Mine: L.S. 16, Sec. 12, Tp. 29, Rge. 13, W. 4th Mer.
 Thickness of Seam: 5ft. 5in.
 Inclination of Seam: Horizontal.
 Stripping operation.

TABER AREA**C. J. Lavenne—Mine No. 672**

Mine Office: Bow Island, Alberta.
 Mine Surveyor: J. F. Hamilton.
 Overman: C. J. Lavenne.
 Location of Mine: L.S. 3, Sec. 27, Tp. 12, Rge. 10, W. 4th Mer.
 Thickness of Seam: 4ft. 4in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: Up to 135 feet.
 Form of Opening: Drift. Size of Opening: 4ft. by 4ft.

Continental Coal Corporation, Ltd.—Mine No. 1334

Mine Office: Grassy Lake, Alberta.
 Mine Surveyor: M. G. Rhynas.
 Manager: M. G. Rhynas.
 Location of Mine: L.S. 4, Sec. 26, Tp. 9, Rge. 13, W. 4th Mer.
 Thickness of Seam: 2 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 feet.
 Stripping operation.

Oliver Coal Mine—Mine No. 1536

Mine Office: Taber, Alberta.
 Mine Surveyor: J. F. Hamilton.
 Mine Manager: Edward Oliver.
 Location of Mine: L.S. 2, Sec. 18, Tp. 10, Rge. 16, W. 4th Mer.
 Thickness of Seam: 3ft. 8in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: Up to 100 feet.
 Form of Opening: Drift. Size of Opening: 6ft. by 6ft.

Continental Coal Corporation, Ltd.—Mine No. 1580

Mine Office: Grassy Lake, Alberta.
 Manager: M. G. Rhynas.
 Location of Mine: L.S. 7, Sec. 26, Tp. 9, Rge. 13, W. 4th Mer.
 Thickness of Seam: 28 inches.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 100 feet.
 Stripping operation.

Majestic Mines, Ltd.—Mine No. 1604

Mine Office: Taber, Alberta.
 Manager: P. H. Cote.
 Location of Mine: Sec. 12, Tp. 10, Rge. 17, W. 4th Mer.
 Stripping operation just commencing.

Kenneth Oliver—Mine No. 1607

Mine Office: Taber, Alberta.
 Manager: Edward Oliver.
 Location of Mine: L.S. 12, Sec. 7, Tp. 10.
 Rge. 16, W. 4th Mer.
 Stripping operation.

Western Ventures, Ltd.—Mine No. 1609

Mine Office: Taber, Alberta.
 Manager: T. D. Millar.
 Location of Mine: Sec. 30, Tp. 10, Rge.
 16, W. 4th Mer.
 Stripping operation.

TOFIELD AREA**Emil Skarin—Mine No. 215**

Mine Office: Dodds Alberta.
 Mine Manager: E. E. Chappell.
 Mine Surveyor: David Jones.
 Location of Mine: L.S. 7, Sec. 14, Tp. 49,
 Rge. 18, W. 4th Mer.
 Thickness of Seam: 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 18 feet.
 Stripping operation.

Tofield Coal Co., Ltd.—Mine No. 252

Authorized Capital: \$150,000.
 Name of President: Claude Gallinger.
 Names of Directors: C. Gallinger, Mrs.
 Jean Gallinger.
 Name of Sec.-Treasurer: Norman E. Scott.
 Mine Office: Tofield, Alberta.
 General Manager: C. Gallinger.
 Mine Surveyor: David Jones.
 Location of Mine: N. $\frac{1}{2}$, Sec. 26, Tp. 50,
 Rge. 19, W. 4th Mer.
 Thickness of Seam: 6 to 7 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 18 to 35 feet.
 Stripping operation.

D. Falvo—Mine No. 1107

Mine Office: Dodds, Alberta.
 Mine Surveyor: David Jones.
 Overman: D. Falvo.
 Location of Mine: L.S. 15, Sec. 11, Tp. 49,
 Rge. 18, W. 4th Mer.
 Thickness of Seam: 5 to 6 feet.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 25 feet.
 Form of Opening: Slope. Size of Open-
 ing: 7ft. by 6ft. Length of Slope:
 60 feet.

Ryley Coal Company—Mine No. 1206

Mine Office: Ryley, Alberta.
 Manager: W. T. Gotheridge.

Mine Surveyor: David Jones.
 Location of Mine: L.S. 8, Sec. 8, Tp. 49,
 Rge. 17, W. 4th Mer.
 Thickness of Seam: 8ft. 2in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 14 feet.
 Form of Opening: Slope. Size of Open-
 ing: 6 $\frac{1}{2}$ ft. by 6ft. 3in. Length of
 Slope: 48 feet.

WETASKIWIN AREA**Peter Gill—Mine No. 1534**

Mine Office: Thorsby, Alberta.
 Mine Surveyor: L. C. Stevens.
 Overman: Peter Gill.
 Location of Mine: L.S. 2 and 7, Sec. 3,
 Tp. 48, Rge. 27, W. 4th Mer.
 Thickness of Seam: 4ft. 9in.
 Inclination of Seam: Horizontal.
 Thickness of Cover: 115 feet.
 Form of Opening: Drift. Size of Open-
 ing: 6ft. by 7ft.

WHITECOURT AREA**Alexander Watson—Mine No. 1569**

Mine Office: Blue Ridge, Alberta.
 Overman: A. Watson.
 Location of Mine: L.S. 12 and 13, Sec. 19,
 Tp. 59, Rge. 10, W. 5th Mer.
 Thickness of Seam: 6ft. 3in.
 Inclination of Seam: Horizontal.
 Stripping operation.

A. J. Buxton—Mine No. 1593

Mine Office: Blue Ridge, Alberta.
 Overman: A. J. Buxton.
 Location of Mine: L.S. 13, Sec. 2, Tp. 59,
 Rge. 10, W. 5th Mer.
 Stripping operation.

R. F. Pritchard—Mine No. 1612

Mine Office: Blue Ridge, Alberta.
 Overman: R. F. Pritchard.
 Location of Mine: L.S. 1, Sec. 31, Tp. 59,
 Rge. 10, W. 5th Mer.
 Thickness of Seam: 3 $\frac{1}{2}$ feet.

NO AREA**G. Sparks—Mine No. 1616**

Mine Office: Beaverlodge, Alberta.
 Location of Mine: Unsurveyed territory
 —Tp. 68, Rge. 10, W. 6th Mer.
 Stripping operation.

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